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**Addendum No. 2**

NJSDA  
32 E Front Street  
Trenton, NJ 08625  
Phone: 609-858-2981

**DATE:**                    **March 10, 2022**

**PROJECT #:**            **HU-0029-B01**

**DESCRIPTION:**        **Union City - New Grade 7 through 9 School**

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supersede the relevant information in the Bid Documents.

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**A.     CHANGES TO THE PROCUREMENT PROCESS:**

**1.    Modifications to the Request for Proposal and Associated Documents**

- a.   **REPLACE:**        The Price Proposal originally dated February 14, 2022 shall be deleted and replaced with the Price Proposal dated March 10, 2022 and included herewith as Attachment 2.01
  
- b.   **MODIFY:**           All references in the Request for Proposals to the due date for submission of Technical and Price Proposals shall be modified to extend the deadline until 2:00 PM Eastern Time on April 20, 2022.
  
- c.   **MODIFY:**           All references in the Request for Proposals to the Public Opening of Technical and Price Proposals and Reading of the Synopsis Statements shall be modified to 2:00 PM Eastern Time on April 20, 2022.
  
- d.   **MODIFY:**           All references in the Request for Proposals to the due date for submission of Design-Builder's Questions shall be modified to extend the deadline until 2:00 PM Eastern Time on March 30, 2022.
  
- e.   **NOTE:**            The tentative date for the Design-Builder interviews is May 5, 2022.

**B.     CHANGES TO THE PROJECT MANUAL:**

NOTE: Additions are shown in **bold and underline** text; deletions are shown in ~~*strikethrough and italics*~~.

## 1. Modifications to the General Requirements

- a. (Not Applicable)

## 2. Modifications to the Performance Specifications

- a. **ADD:** In Volume 2, add included herewith as A2.19 Section B2050.00 Exterior Doors and Grilles and Attachment A2.20 Section C1030.00 Interior Doors:
  - a. In Volume 2, add included herewith as A2.19 Section B2050.00 Exterior Doors and Grilles.
  - b. In Volume 2, add included herewith as A2.20 Section C1030.00 Interior Doors.
- b. **MODIFY:** In Section D2060.00, Special Systems, modify Section II, Products, B. Air Cleaner System, 1.c. , 1.e and 2, Basis of Design, as follows:
  - a. II.B.1.c: Aluminum mesh pre-filter, Merv 11 final filter and **activated charcoal after filter.**
  - b. II.B.1.e: **ECM High Efficiency** 3-phase motor.
  - c. II.B.2: Basis of Design: Model ~~M-30C~~ **M-30CF** by Air King, (Or Approved Equal).
- c. **MODIFY:** In Section D6000.00, Communications, modify II PRODUCTS. V.1.b, as follows:
  - a. Wireless Access Points: ~~Extreme AP3825i~~ **Extreme AP4000**, (Or Approved Equal).
- d. **MODIFY:** In Section E1030.80, Food Service Equipment, modify D.14 Other Equipment, Serving Line Equipment, as follows:
  - a. Provide units and quantities as scheduled, with all stainless steel finishes, plastic laminated panels, Color: ~~(tbd)~~ **Wilsonart, "Blue Yonder" No. 0732 (Or Approved Equal)**, and stainless steel skirting where indicated.
- e. **ADD:** In Section PS1030.00, Project Criteria, add included herewith as Attachment A2.18, add Table PS1030.00-1 Acoustical Performance Criteria.
  - a. In Volume 2, add, Attachment A2.18, add Table PS1030.00-1 Acoustical Performance Criteria.
- f. **MODIFY:** In Volume 3, Section PS1030 Project Criteria, delete and replace Figure PS1030.00-1 Exterior A-Weighted Noise Levels dated February 23, 2022 with and included herewith as Attachment A2.28, Addendum No. 2, Figure PS1030-00-01

Exterior A-Weighted Noise Levels, dated March 9, 2022.

- a. In Volume 3, Section PS1030.00, delete and replace Figure PS1030.00-1 Exterior A-Weighted Noise Levels dated February 23, 2022 with and included herewith as Attachment A2.28, Addendum No. 2, Figure PS1030-00-01 Exterior A-Weighted Noise Levels, dated March 9, 2022.
- g. **ADD:** In Volume 3, add included herewith as Attachment A2.21, add Remediation Responsibilities Plan (RRP) Report, March 7, 2022.
  - a. In Volume 3, add, Attachment A2.21 Remediation Responsibilities Plan (RRP) Report, March 7, 2022.

**C. CHANGES TO THE EDUCATIONAL SPECIFICATIONS:**

- a. **REPLACE:** In Volume 3, replace Educational Specifications Room Layout and Fit-Out Lists with updated documents dated March 07, 2022 and included herewith as Attachments A2.02, A2.03, A2.04, A2.05, A2.06, A2.07, A2.08, A2.09, A2.10, A2.11, A2.12, A2.13, A2.14 and A2.15. (Refer to Section G of this Addendum for a description of the aforementioned attachments).

**D. CHANGES TO THE DRAWINGS:**

- a. **ADD:** In Volume 3, add drawings included herewith as Attachments A2.16 UN New 7-9 A-801 Food Service Plan and Equipment Schedule (.dwfx) and A2.17 UN New 7-9 A-801 Food Service Plan and Equipment Schedule (.pdf).
- b. **ADD:** In Volume 3, add drawings included herewith as Attachments A2.22 UN New 7-9 A-601 Door Schedule (.pdf) A2.23 UN New 7-9 A-601 Door Schedule (.dwfx), A2.24 UN New 7-9 A-602 Door Schedule (.pdf), A2.25 UN New 7-9 A-602 Door Schedule (.dwfx), A2.26 UN New 7-9 A-603 Door Schedule (.pdf) and A2.27 UN New 7-9 A-603 Door Schedule (.dwfx)

**E. BIDDER'S QUESTIONS, REQUESTS FOR INFORMATION AND RESPONSES:**

- 1. **Question:** (*Dobco Inc.*), Can you please advise that the Geotechnical Data Report (by FPA) included in Volume 3 of the documents appears to have identification of geological cross sections on the boring and test pit location plans, however no geological cross sections are included.

**Response:** (*NJSDA*), The “subsurface cross-sections” referenced on page 2 of the Geotechnical Data Report within the Section entitled “FPA Subsurface Explorations” are those provided on the drawing titled “Subsurface Investigation Soil Profiles,”

which is included in Appendix C of the report.

2. **Question:** (*Terminal Construction Corp.*), Figure PS1030.00-01 Exterior A-Weighted Noise Levels appears to be that from the Perth Amboy High School. Please provide the correct Figure PS1030.00-01 for this project. Also please advise what noise level should be used for the roof.

**Response:** (*NJSDA*), Refer to, included herewith as Attachment A2.28 Addendum No. 2, Figure PS1030-00-01 Exterior A-Weighted Noise Levels, dated March 9, 2022. The noise level for the roof is provided for and referenced in the attachment.

3. **Question:** (*Epic Management Inc.*), Considering that over 2,100 pages of information were issued by the NJSDA during the first week of March, 2022, the size of the project (130,000 SF), its complexity, and the number of processes that need to take place in order for bidders to prepare their Technical and Price proposals, would you please consider extending the bid due date from 4/06/2022 to 4/27/2022, and accordingly the RFI deadline date until 4/08/2022?

**Response:** (*NJSDA*), **(a.)** All references in the Request for Proposals to the due date for submission of Technical and Price Proposals shall be modified to extend the deadline until 2:00 PM Eastern Time on April 20, 2022. **(b.)** All references in the Request for Proposals to the Public Opening of Technical and Price Proposals and Reading of the Synopsis Statements shall be modified to 2:00 PM Eastern Time on April 20, 2022. **(c.)** All references in the Request for Proposals to the due date for submission of Design-Builder's Questions shall be modified to extend the deadline until 2:00 PM Eastern Time on March 30, 2022. **(d.)** The tentative date for the Design-Builder interviews is May 5, 2022.

**F. CHANGES TO PREVIOUS ADDENDA:**

- a. (Not applicable.)

**G. ATTACHMENTS**

Attachment 2.01	HU-0029-B01 Price Proposal Form dated March 10, 2022 (.pdf)
Attachment A2.02	UN New 7-9 E-3a & b SCIENCE LABS (.pdf)
Attachment A2.03	UN New 7-9 E-6a STEM ROBOTICS (.pdf)
Attachment A2.04	UN New 7-9 E-6b STEM ROBOTICS COMP (.pdf)
Attachment A2.05	UN New 7-9 E-7 ENVIRONMENTAL SCIENCE PLAN (.pdf)
Attachment A2.06	UN New 7-9 E-7a ENVIRONMENTAL SCIENCE LIST (.pdf)
Attachment A2.07	UN New 7-9 E-11a1 CAFETORIUM PLAN (.pdf)
Attachment A2.08	UN New 7-9 E-11a2 CAFETORIUM LIST (.pdf)
Attachment A2.09	UN New 7-9 E-11b1 CAFETORIUM ASSEMBLY PLAN (.pdf)
Attachment A2.10	UN New 7-9 E-11b2 CAFETORIUM ASSEMBLY LIST (.pdf)
Attachment A2.11	UN New 7-9 E-13 FOOD SERVICE (.pdf)
Attachment A2.12	UN New 7-9 E-14 FACULTY DINING (.pdf)
Attachment A2.13	UN New 7-9 E-22 MEDIA CENTER (.pdf)
Attachment A2.14	UN New 7-9 E-23 TECH LAB (.pdf)
Attachment A2.15	UN New 7-9 E-24 MAIN ENT SEC ECC ATT COUN (.pdf)

Attachment A2.16	UN New 7-9 A-801 Food Service Plan and Equipment Schedule (.dwx)
Attachment A2.17	UN New 7-9 A-801 Food Service Plan and Equipment Schedule (.pdf)
Attachment A2.18	UN New 7-9 Table PS1030.00-1 Acoustical Performance Criteria (.pdf)
Attachment A2.19	UN New 7-9 Section B2050.00 Exterior Doors and Grilles (.pdf)
Attachment A2.20	UN New 7-9 Section C1030 Interior Doors (.pdf)
Attachment A2.21	UN New 7-9 Remediation Responsibilities Plan (RRP) Report, March 7, 2022 (.pdf)
Attachment A2.22	UN New 7-9 A-601 Door Schedule (.pdf)
Attachment A2.23	UN New 7-9 A-601 Door Schedule (.dwx)
Attachment A2.24	UN New 7-9 A-602 Door Schedule (.pdf)
Attachment A2.25	UN New 7-9 A-602 Door Schedule (.dwx)
Attachment A2.26	UN New 7-9 A-603 Door Schedule (.pdf)
Attachment A2.27	UN New 7-9 A-603 Door Schedule (.dwx)
Attachment A2.28	Figure PS1030-00-01 Exterior A-Weighted Noise Levels, dated March 9, 2022 (.pdf)

**H. SUPPLEMENTAL INFORMATION**

(Not applicable)

*Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff (except for Procurement), Selection Committee members, NJSDA Consultants, and School District officials for information relating to this project or in an effort to influence the selection process may be immediately disqualified.*

**End of Addendum No. 2**



**Addendum No. 2**

NJSDA  
32 E. Front Street  
Trenton, NJ 08625  
Phone: 609-858-2981

**DATE:**                    **March 10, 2022**

**PROJECT #:**            **HU-0029-B01**

**DESCRIPTION:**    **Union City - New Grade 7 through 9 School**  
                          **Union City, NJ**  
                          **Addendum No. 2**

**Acknowledgement of Receipt of Addendum**

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via email to Alison Perry at [APerry@njsda.gov](mailto:APerry@njsda.gov). Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in **Section F.4** of the Price Proposal Submission for Design Build Projects.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Date

**PRICE PROPOSAL**

**DESIGN-BUILD  
PRICE PROPOSAL SUBMISSION**

**to**

**NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY**

Contract Number: HU-0029-B01

Contract Name: Union City - New Grade 7 through 9 School

District: Union City

County: Hudson

Bid of \_\_\_\_\_  
(Design-Builder's Name) (Design-Builder's Federal I.D. #)

\_\_\_\_\_  
(Design-Builder's Name) (Design-Builder's Federal I.D. #)

a Corporation organized and existing under the laws of the State of \_\_\_\_\_

or a partnership or joint venture consisting of \_\_\_\_\_

\_\_\_\_\_

or an individual, trading as \_\_\_\_\_

**Important Notes:**

1. A Design-Builder shall not submit a Price Proposal that, excluding amounts for design services and the GMP Reserve, exceeds its Project Rating Limit for the Project.
2. A Design-Builder may not submit a Price Proposal that, excluding amounts for design services and the GMP Reserve, and when added to the amount listed on its Uncompleted Contracts Form, exceeds its Aggregate Limit.
3. A Design-Builder shall not submit a Price Proposal that causes any one of the Subcontractors required to be named under Section 2.1A of the Request for Proposals ("RFP") to exceed its Aggregate Limit.

**A. Price Proposal Submission:**

1. The Design-Builder shall complete and execute this Price Proposal and enclose it, with its Technical Proposal, in an envelope that is sealed and clearly marked with the Design-Builder's Name, Contract Number, Contract Name, School District Name and the date of Proposal submission. The Design-Builder shall submit its Technical and Price Proposals to the NJSDA in accordance with Section 4.2 of the RFP.
2. Design-Builders submitting a bid as a Joint Venture shall comply with all the requirements in Section 4.2.3 of the RFP. In addition, each member of the Joint Venture shall sign the Price Proposal, have its signature witnessed and the Corporate Seal must be affixed to the signature.

3. The Technical and Price Proposals shall be subject to a public opening by the NJSDA on the date and time provided in the RFP.

#### **B. Design-Builder:**

1. All Design-Builders must be classified by the Department of the Treasury-Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor and Workforce Development; and registered with the Department of the Treasury-Division of Revenue; and must provide valid contractor or trade licenses where applicable at the time of submission of this bid. **Time is of the essence for completion of the Project in this package.**
2. The Design-Builder must submit a copy of its Uncompleted Contracts Form. Uncompleted Contracts forms submitted by the Design-Builder and any named Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission, or the date of the response to the RFP. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid or proposal submissions.
3. If the Design-Builder will be performing work with its “own forces” in any of the trades listed in the RFP, the Design-Builder must be properly classified and pre-qualified to perform such work in the named trades, and must state its intention to perform such work with its “own forces.” Failure to so state, and/or failure to indicate what firms will be performing the work in the trades identified in the RFP, may cause the bid to be rejected.

#### **C. Subcontractors:**

1. The Design-Builder must name the Design Consultant to be engaged as the Design-Builder’s Design Consultant, and all subcontractors that will be performing work in any of the trades listed in the RFP or required by statute. If the Design-Builder intends to self-perform any of the trades required by the RFP and/or the Contract Documents, the Design-Builder must identify itself as self-performing in such required trades(s).
2. In accordance with the requirements of N.J.S.A. 52:18A-243, each Design-Builder is required to set forth in its bid the name or names of all subcontractors to whom the Design-Builder will directly subcontract for the furnishing of any of the work and materials specified in the plans and specifications for the following branches: (1) the plumbing and gas fitting and all work and materials kindred thereto (“Plumbing Branch”); (2) the steam and hot water heating and ventilating apparatus, steam power plants and all work and materials kindred thereto (“HVACR Branch”); (3) the electrical work (“Electrical Branch”); and (4) structural steel and miscellaneous iron work and materials (“Structural Steel Branch”).
3. When naming subcontractors in accordance with Section C.2 above, a Design-Builder is required to name only those subcontractors that are engaged directly by the Design-Builder (“first-tier subcontractors”). Design-Builders are NOT REQUIRED to name any subcontractors engaged by the first-tier subcontractors or by others (e.g., “second-tier subcontractors” or “third-tier subcontractors.”)
4. All listed subcontractors identified in accordance with Sections C.1. and C.2. above must be classified by the Department of the Treasury-Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor and Workforce Development; and registered with the Department of the



Treasury-Division of Revenue; and must provide valid contractor or trade licenses where applicable at the time of submission of this bid.

- All Design-Builders must submit a copy of the Uncompleted Contracts Form for any subcontractor identified in the bid advertisement. Uncompleted Contracts forms submitted by the Design-Builder and any named Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission, or the date of the response to the RFP. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid or proposal submissions.

**D. Small Business Enterprise Opportunities:**

- The NJSDA requires the Design-Builder to provide opportunities to SBE firms to participate in the performance of this engagement, consistent with NJSDA SBE set aside goals of awarding 25% of the total design and construction contract value to registered SBE firms with revenues that do not exceed the annual revenue standards established by the Federal standard at 13 CFR 121.201.

Pursuant to the Set Aside Act for Disabled Veterans’ Owned Businesses, N.J.S.A. 52:32-31.1 et. seq., the SDA requires the Design-Builder to provide opportunities to DVOB firms to participate in the performance of this engagement, over the entire duration of the project, consistent with the set aside goals of the N.J.S.A. 52:32-31.5, awarding 3% of the total design and construction contract value to firms registered with the Department of the Treasury–Division of Revenue and Enterprise Services as DVOB firms.

**E. Identification of Bidder and Subcontractors:**

- In the table below, identify all firms that will be performing work in any of the trades listed in the RFP or required by statute. If the Design-Builder intends to self-perform any of the trades required by the RFP and/or the Contract Documents, the Design-Builder must identify itself as self-performing in such required trade(s).

REQUIRED PER ADVERTISEMENT			
TRADE	TRADE CODE	FIRM	FED #
CONSTRUCTION MANAGER AS CONSTRUCTOR	C006		
DESIGN-BUILD	C007		
GENERAL CONSTRUCTION	C008		
ARCHITECTURE	P001		
STATUTORILY REQUIRED (AS NECESSARY)			
TRADE	TRADE CODE	FIRM	FED #
STRUCTURAL STEEL	C029		
PLUMBING	C030		

HVACR	C032		
ELECTRICAL	C047		
<b>ADDITIONAL SUBCONTRACTORS (AS NECESSARY)</b>			
<b>TRADE</b>	<b>TRADE CODE</b>	<b>FIRM</b>	<b>FED #</b>

**F. Price:**

1. The undersigned, as Design-Builder, declares:
  - That this Price Proposal is made, without collusion with any other person, firm or corporation;
  - That the Design-Builder has carefully examined the RFP and the forms of the Project Manual, Design-Build Agreement, Design-Build Information Package, Addenda, Specifications, Drawings and all other Contract Documents;
  - That the Design-Builder has carefully examined the locations, conditions and classes of material for the proposed work;
  - That the Design-Builder agrees that it will provide all necessary design services, machinery, tools, apparatus and other means of construction and will do all Services and Work and furnish all the materials called for in the Design-Build Contract Documents in the manner therein prescribed; and
  - That this Price Proposal is submitted Net of Insurance, excluding all applicable insurance expenses and policy costs allocated to the on-site activities of the project with respect to Workers' Compensation and Employer's Liability, Commercial General Liability, Excess/Umbrella Liability and Builder's Risk insurance as provided by the NJSDA's Owner Controlled Insurance Program outlined in the Agreement.
  
2. In submitting this Price Proposal, the Design-Builder agrees:
  - That the NJSDA has the right to reject this Price Proposal in accordance with the terms of the RFP.
  - To hold this Price Proposal open for a period of one hundred twenty (120) calendar days from the date of the public opening and reading of the Price Proposals, unless this time period is extended by mutual agreement of the Design-Builder and the NJSDA.
  - To accomplish the work at the price bid, in accordance with the Contract Documents.
  
3. Base Bid Price:
  - Total amount for the furnishing of all design and construction administration services, labor, materials, services, equipment and appliances required in conjunction with and properly incidental to all Services and Work, in conformance with all Design-Build Contract Documents.

- In case of a discrepancy between the amount shown in words and the amount shown in figures, the amount shown in words shall govern.

1. Design Services:	\$	_____
2. Construction Services:	\$	_____
3. GMP Reserve*	\$	_____ 700,000.00 _____

\* GMP Reserve Includes: \$500,000 New Construction Allowance; \$100,000 Emergency Responder Radio System Allowance; and \$100,000 Unforeseen Subsurface Conditions for Street Connections Allowance.

**TOTAL BID PRICE:** \_\_\_\_\_  
 (Sum of all three items) (In Words)

\$ \_\_\_\_\_  
 (In Figures)

4. Addenda:

The Design-Builder acknowledges receipt of and has incorporated into this bid the following Addenda:

Addendum No.:	1	2								
Date Issued:	12/03/21	03/10/22								
Acknowledgement:										

\* The Design-Builder shall acknowledge each issued Addendum by completing the chart above and initialing in the “Acknowledgement” box corresponding to each issued Addendum.

**G. Certification**

**The Design-Builder hereby certifies to the best of its knowledge and belief and under penalty of perjury under the laws of the United States and the State of New Jersey:**

1. That all information provided herein is accurate and truthful.
2. That an affirmative action program of equal employment opportunity, pursuant to P.L. 1945, c. 169, the “New Jersey Law Against Discrimination,” as supplemented and amended has been adopted by this organization to ensure that applicants are employed and employees are treated without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation gender identity or expression, disability, nationality or sex, and that the selection and utilization of contractors, subcontractors, consultants, materials suppliers and equipment lessors shall be done without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeships. The Design-Builder agrees to post in conspicuous places, available to employees and applicants for employment, Notices to be provided by the NJSDA’s Compliance

Officer setting forth provisions of this nondiscrimination clause. Said affirmative action program addresses both the internal recruitment, employment and utilization of minorities and the external recruitment policy regarding minority contractors, subcontractors, consultants, materials suppliers and equipment lessors.

3. That the bid has been executed with full authority to do so; that the Design-Builder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with these projects; and that all statements contained in this bid and in this certification are true and correct and made with full knowledge that the NJSDA relies upon the truth of the statements contained in this bid and in the statements contained in this certification in awarding the contract for the projects.
4. That neither the Design-Builder nor its principals:
  - A. are currently debarred, suspended, proposed for debarment, declared ineligible, or excluded from bidding or contracting by, any agency of government including but not limited to federal, state, regional, county or local government agency, in this or any other state including any department, division, commission, authority, office, branch, section and political subdivision or other governmental or quasi-governmental entity;
  - B. are voluntarily excluded from bidding or contracting, or have agreed to voluntarily refrain from bidding or contracting, through an agreement with any agency of government including but not limited to federal, state, regional, county or local government agency, in this or any other state including any department, division, commission, authority, office, branch, section and political subdivision or other governmental or quasi-governmental entity;
  - C. have, within a three-year period preceding this bid, been convicted or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public federal, state or local contract; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - D. are currently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph C of this certification; and
  - E. have within a three-year period preceding this bid, had one or more public contracts (federal, state or local) terminated for cause or default.
5. The Design-Builder has a current, valid registration issued pursuant to the “Public Works Contractor Registration Act, pursuant to N.J.S.A. 34:11-56.48 et. seq.
6. The Design-Builder has a current, valid Business Registration Certificate for State Agency and Casino Service Contractors issued by the NJ Department of the Treasury to perform work in New Jersey.
7. The Design-Builder has current, valid contractor or trade licenses and permits required under applicable New Jersey law for any trade or specialty area in which the firm seeks to perform work.
8. That the Design-Builder will comply with the N.J. Division of Purchase and Property “Two-Year Chapter 51/Executive Order 117 Vendor Certification & Disclosure of Political Contributions” as prescribed by N.J.S.A. 19:44A-20.13 et seq. (P.L. 2005, c.51) and Executive Order 117, if awarded the bid.

9. That the Design-Builder is aware of its continuing responsibility to file an annual disclosure statement on “contributions” as that term is defined in P.L. 2005, c. 51 (formerly Executive Order 134 (2004)) or any “Business Entity,” as that term is defined in P.L. 2005, c. 51, associated with the Design-Builder, on the “Disclosure of Political Contribution” form provided by the NJSDA, at the time such contribution is made.” This applies to the contractor if the contractor receives contracts in excess of \$50,000 from a public entity in a calendar year. It is the contractor's responsibility to determine if filing is necessary. Failure to so file can result in the imposition of financial penalties by ELEC. Additional information about this requirement is available from ELEC at 888-313-3532 or at [www.elec.state.nj.us](http://www.elec.state.nj.us) .
10. During the term of construction of the project(s) that comprise this package, the Design-Builder will have in place a suitable quality control and quality assurance program and an appropriate safety and health plan.
11. The amount of the Price Proposal and the value of the Design-Builder’s outstanding incomplete contracts does not exceed the Design-Builder’s Aggregate Rating.
12. Where the Design-Builder is unable to certify to any of the statements in this certification, the Design-Builder shall explain below (Design-Builder may attach additional documentation, as necessary).

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**IN WITNESS WHEREOF, the Design-Builder has caused this instrument to be signed, attested to and sealed.**

Design-Builder: \_\_\_\_\_ (Legal Firm Name)

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_



If submitted by a Joint Venture, for each additional bidder, complete and execute below:

Design-Builder: \_\_\_\_\_ (Legal Firm Name)

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_



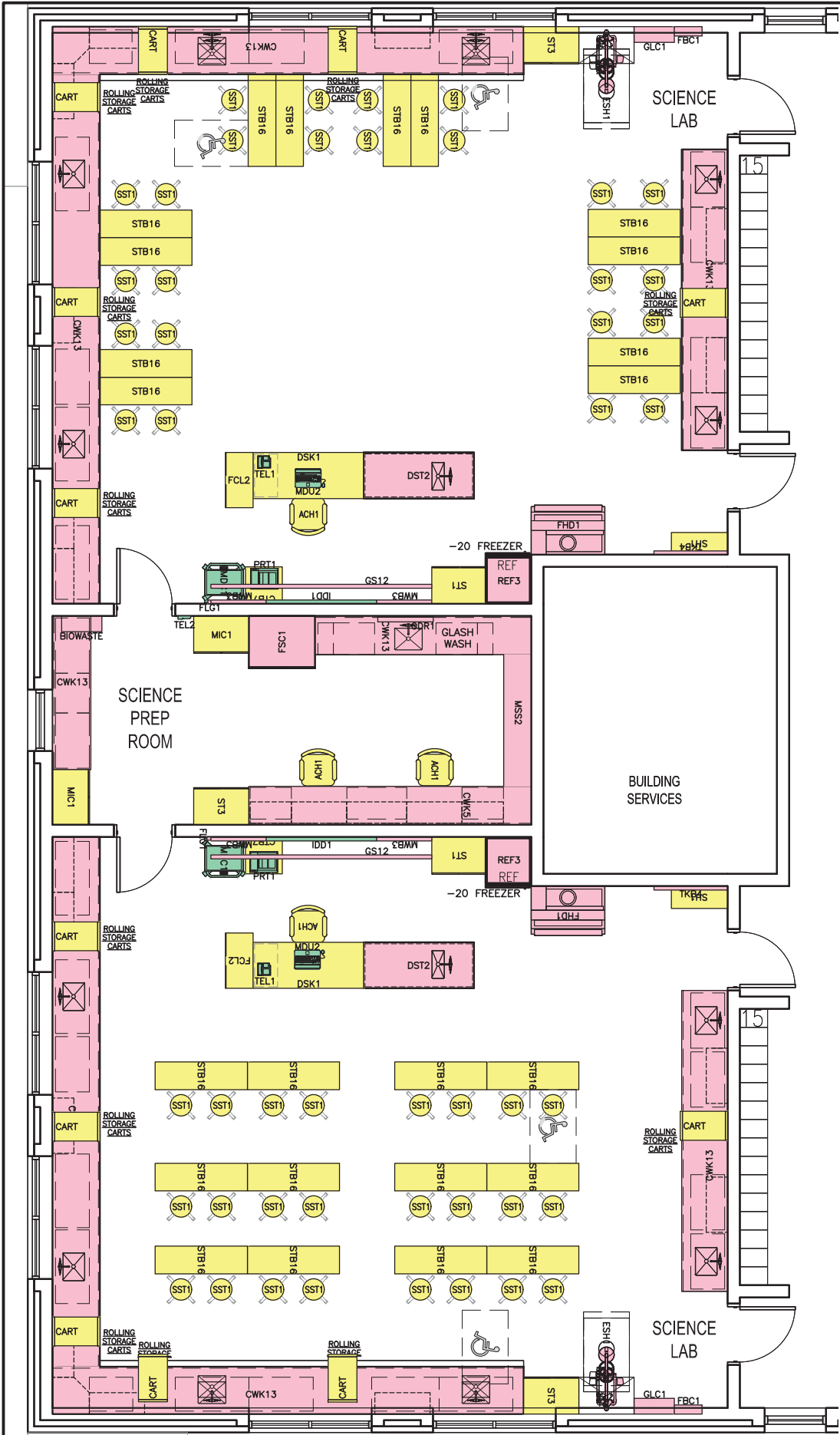
Witness Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**END OF PRICE PROPOSAL**



1 SCIENCE LAB LAYOUT (A&B)  
SCALE: 1/8" = 1'-0"

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
SCIENCE LABS GRADES 7-9	POWER/ DATA	FURN CODE	DB/GC	PROVIDED BY			SIZE			QTY	UNIT SF	TOTAL SF	REMARKS
				SDA	SDA	DIST	D	W	H				
<b>OCCUPANTS</b>													
STUDENTS						*				24	15.00	360.00	
TEACHERS						*				1	15.00	15.00	
<b>FURNITURE AND EQUIPMENT</b>													
STUDENT TABLE - 18X60		STB16		*			1.50	5.00	2.83	12	7.50	90.00	
COMPUTER TABLE-24X24		CTB7		*			2.00	2.00	2.50	1	4.00	4.00	W/ GROMMETS & CABLE TRAY
DEMONSTRATION STATION W/SINK	P/D	DST2	*				2.50	6.00	2.83	1	15.08	15.08	
FUME HOOD	P/D	FHD1	*				2.69	4.00	6.00	1	10.72	10.72	
ADMINISTRATIVE DESK-30X72		DSK1		*			2.50	6.00	2.50	1	15.00	15.00	
ADMINISTRATIVE CHAIR		ACH1		*			2.00	2.00	1.50	1	4.00	4.00	
STUDENT STOOL		SST1		*			1.83	1.83	1.50	24	3.66	87.84	
BOOKS SHELVING		SH1		*			1.17	3.06	2.50	1	3.58	3.58	
MOBILE DEVICE CHARGING CART	P/D	MDC1		*			2.17	2.33	3.50	1	5.06	5.06	FOR (24) MOBILE DEVICES
EMERGENCY SHOWER - EYE WASH STATION		ESH1	*							1			
REFRIGERATOR	P	REF3	*				2.67	2.42		1	6.39	6.39	WITH ICE MAKER
TEACHER'S WARDROBE		ST1	*				2.00	3.00	6.00	1	6.00	6.00	
STORAGE CABINET 2X3		ST3	*				2.00	3.00	6.00	1	6.00	6.00	LOCKABLE
2-DRAWER LATERAL FILE CABINET		FCL2	*				1.50	3.00	2.33	1	4.50	4.50	
ROLLING STORAGE CARTS		CART	*				1.50	2.50	2.50	6	3.75	22.50	STORED UNDER CASEWORK
PERIMETER COUNTER W/SINK UPPER AND LOWER CABINETS	P/D	CWK13	*				2.58	28.75	2.83	1	74.18	74.18	PROVIDE 36"W UPPER CABINET PER WORK GROUP (MINIMUM OF 6 PER LAB) AND MAXIMIZE UPPER CABINETS THROUGHOUT AS WALL SPACE ALLOWS. SEE PERFORMANCE SPECIFICATION FOR MATERIALS. PROVIDE POWER AT COUNTER HEIGHT.
PERIMETER COUNTER W/SINK UPPER AND LOWER CABINETS	P/D	CWK13	*				2.58	25.58	2.83	1	66.00	66.00	
PERIMETER COUNTER W/SINK UPPER AND LOWER CABINETS	P/D	CWK13	*				2.50	16.33	2.83	1	40.83	40.83	
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
INTERACTIVE DISPLAY DEVICE	P/D	IDD1		*			6.00	4.00		1			
MAGNETIC WHITE BOARD		MWB3	*				3.00	4.00		2			
TACK BOARD		TKB4	*				4.00	4.00		1			
GRIP STRIP		GS12	*				12.00	0.25		1			INSTALL OVER WALL MOUNTED DEVICES
FIRST AID AND FIRE BLANKET CABINET		FBC1	*				0.50	1.50	0.83	1			
GOGGLE CABINET	P	GLC1	*							1			
CLOCK SYSTEM	P/D	CLK1	*							1			
INTERCOM SYSTEM	P/D	ITC1	*							1			
SOUND ENHANCEMENT SYSTEM	P	SES1	*							1			
FLAG HOLDER		FLG1	*							1			
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
STUDENTS MOBILE DEVICE	P/D	MDU1		*						24			
TEACHER'S MOBILE DEVICE	P/D	MDU2		*						1			
CLASSROOM PRINTER	P/D	PRT1		*						1			
TELEPHONE HANDSET	P/D	TEL1	*							1			
DEMO CAMERA	P/D	DEM1	*							1			LOCATED OVER DEMONSTRATION STATION
FUME HOOD CAMERA	P/D			*						1			
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>											836.68		
<b>REQUIRED PROGRAM SF</b>											1200.00		

NOTE: PROVIDE ADEQUATE POWER FOR AN INCUBATOR TO BE PLACED ON END OF PERIMETER CASEWORK CLOSEST TO PREP ROOM IN ALL LABS. INCUBATOR TO BE PROVIDED BY DISTRICT.

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
SCIENCE LAB PREP ROOM	POWER/ DATA	FURN CODE	DB/GC	PROVIDED BY			SIZE			QTY	UNIT SF	TOTAL SF	REMARKS
				SDA	SDA	DIST	D	W	H				
<b>OCCUPANTS</b>													
TEACHERS						*				2	15.00	30.00	
<b>FURNITURE AND EQUIPMENT</b>													
ADMINISTRATIVE CHAIR		ACH1		*			2.00	2.00	1.50	2	4.00	8.00	
STORAGE CABINET 2X3		ST3	*				2.00	3.00	6.00	1	6.00	6.00	LOCKABLE
MICROSCOPE CABINET		MIC1	*				2.00	3.00	6.00	2	6.00	12.00	
FLAMMABLE STORAGE CABINET		FSC1	*				2.83	3.58	5.42	1	10.15	10.15	
COUNTER W/UPPER AND LOWER CABINETS	P/D	CWK5	*				2.08	15.33	2.50	1	31.89	31.89	OPEN SHELVING ABOVE. CABINETS WITH KNEE SPACE BELOW. POWER AND DATA AT COUNTER HEIGHT
COUNTER WITH SINK W/UPPER AND LOWER CABINETS	P/D	CWK13	*				2.08	11.75	2.83	1	24.44	24.44	PROVIDE ADEQUATE SPACE FOR GLASS WASHER
COUNTER WITH LOWER CABINETS	P	CWK13	*				2.08	8.33	2.83	1	17.33	17.33	PROMOTE POWER AT COUNTER HEIGHT
METAL STORAGE SHELVING		MSS2	*				1.50	7.17	6.00	1	10.76	10.76	HEAVY DUTY METAL SHELVING
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
GLASS DRYING RACK		GDR1	*				0.31	3.00	2.50	1			
CLOCK SYSTEM	P/D	CLK1	*							1			
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
TELEPHONE HANDSET - WALL MOUNTED	P/D	TEL2	*							1			PROVIDE NECESSARY PLUMBING
GLASS WASHER	P		*							1			
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>											150.57		
<b>REQUIRED PROGRAM SF</b>											200.00		



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

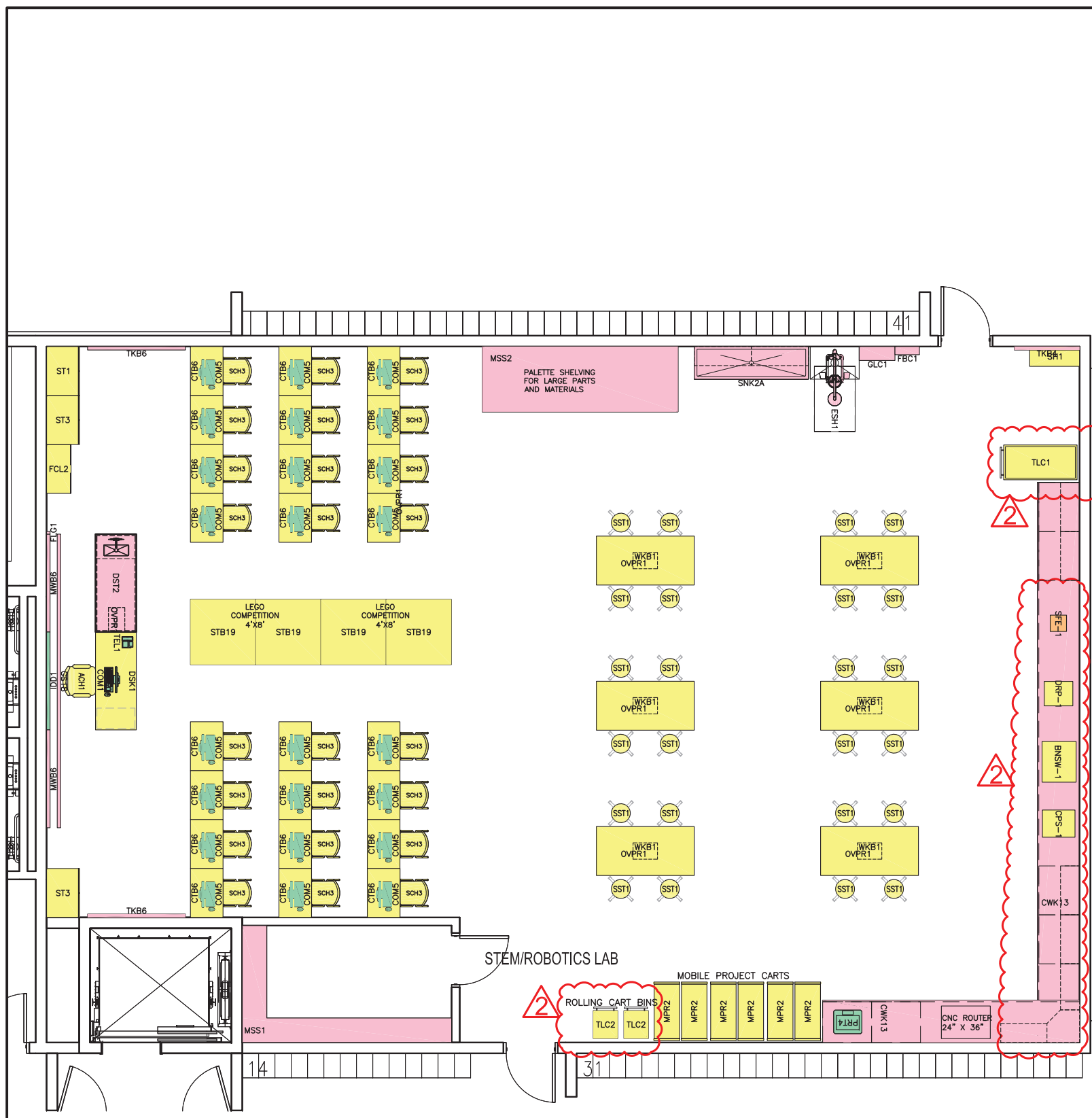
NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

NJSDA PROJECT # 5240-N10-16-0AEN | DOE PROJECT # 5240-N10-16-1000  
DATE JULY 06, 2021  
DRAWING # (AI-102) E-3a&b

SCIENCE LAB  
ROOM LAYOUT & FIT-OUT LIST

SYMBOL DATE REVISIONS  
A 1/28/2021 DOE SCHEMATIC (FINAL SUBM)  
A 3/27/22 ABBENDUQUA 1

APPROVED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: AS NOTED



1 STEM/ROBOTICS LAB LAYOUT  
SCALE: 1/8" = 1'-0"

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST												
STEM/ROBOTICS LAB	POWER/DATA	FURN CODE	PROVIDED BY			SIZE			TOTAL ROOMS = 1			
			DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF
<b>OCCUPANTS</b>												
STUDENTS									24	15.00	360.00	
TEACHERS									1	15.00	15.00	
<b>FURNITURE AND EQUIPMENT</b>												
STUDENT TABLE - 48X48		STB19		*			4.00	4.00	2.83	4	16.00	64.00
COMPUTER TABLE-24X36		CTB6		*			2.00	3.00	2.50	24	6.00	144.00
DEMONSTRATION STATION		DST2		*			2.50	6.00	3.00	1	15.00	15.00
ADMINISTRATIVE DESK-30X72		DSK1		*			2.50	6.00	2.50	1	15.00	15.00
WORK BENCH		WKB1		*			2.50	6.00	2.83	6	15.00	90.00
STUDENTS CHAIR		SCH3		*			1.70	1.74	1.50	24	2.96	70.99
ADMINISTRATIVE CHAIR		ACH1		*			2.00	2.00	1.50	1	4.00	4.00
STUDENT STOOL		SST1		*			1.83	1.83	2.00	24	3.35	80.37
BOOKS SHELVING		SH1		*			1.17	3.06	2.50	1	3.58	3.58
MOBILE PROJECT RACK		MPR2		*			1.58	3.58	3.61	6	5.66	33.94
EMERGENCY SHOWER - EYE WASH STATION		ESH1		*			2.00	3.00		1	6.00	6.00
SCIENCE ROOM SINK		SNK2A		*			2.00	7.00	2.83	1	14.00	14.00
TOOL CART		TLC1		*			4.50	2.25	3.00	1	10.13	10.13
ROLLING TOOL CART BIN		TLC2		*			1.50	1.70	2.80	2	2.55	5.10
TEACHERS WARDROBE		ST1		*			2.00	3.00	6.00	1	6.00	6.00
STORAGE CABINET 2X3		ST3		*			2.00	2.00	6.00	2	4.00	8.00
DRAWER / LATERAL FILE CABINET		FCL2		*			1.50	1.00	2.33	1	1.66	1.66
COUNTER WUPPER AND LOWER CABINETS		CWK13		*			2.58	31.75	2.83	1	81.92	81.92
COUNTER WUPPER AND LOWER CABINETS		CWK13		*			2.58	13.16	2.83	1	33.95	33.95
METAL STORAGE SHELVING		MSS2		*			4.00	12.00	2.83	1	48.00	48.00
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>												
INTERACTIVE DISPLAY DEVICE		P/D	IDD1		*			6.00	4.00	1		
MAGNETIC WHITE BOARD		P/D	MWB6		*			6.00	4.00	2		
TACK BOARD		P/D	TKB6		*			6.00	4.00	2		
TACK BOARD		P/D	TKB4		*			4.00	4.00	1		
GRIP STRIP		P/D	GS18		*			18.00	0.25	1		
FIRST AID AND FIRE BLANKET CABINET		P/D	FBC1		*		0.50	1.50	0.83	1		
GOGGLE CABINET		P/D	GLC1		*					1		
CLOCK SYSTEM		P/D	CLK1		*					1		
INTERCOM SYSTEM		P/D	ITC1		*					1		
OVERHEAD POWER REEL		P/D	OVR1		*					8		
SOUND ENHANCEMENT SYSTEM		P/D	SES1		*					1		
FLAG HOLDER		P/D	FLG1		*					1		
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>												
CHOP SAW		P	CPS-1		*					1		COUNTER MOUNTED
BAND SAW		P	BNSW-1		*					1		COUNTER MOUNTED
DRILL PRESS		P	DRP-1		*					1		COUNTER MOUNTED
SOLDERING STATION WITH FUME EXTRACT		P	SFE-1		*					1		COUNTER MOUNTED
CNC ROUTER		P/D	PR4		*					1		
TEACHERS COMPUTER		P/D	COM1		*					1		
STUDENTS COMPUTER		P/D	COM5		*					24		
3D PRINTER		P/D	PR4		*					1		
TELEPHONE HANDSET		P/D	TEL1		*					1		
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>										1143.48		
<b>REQUIRED PROGRAM SF</b>										2500.00		

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE

DOE PROJECT # 5240-N10-16-1000

DRAWING TITLE

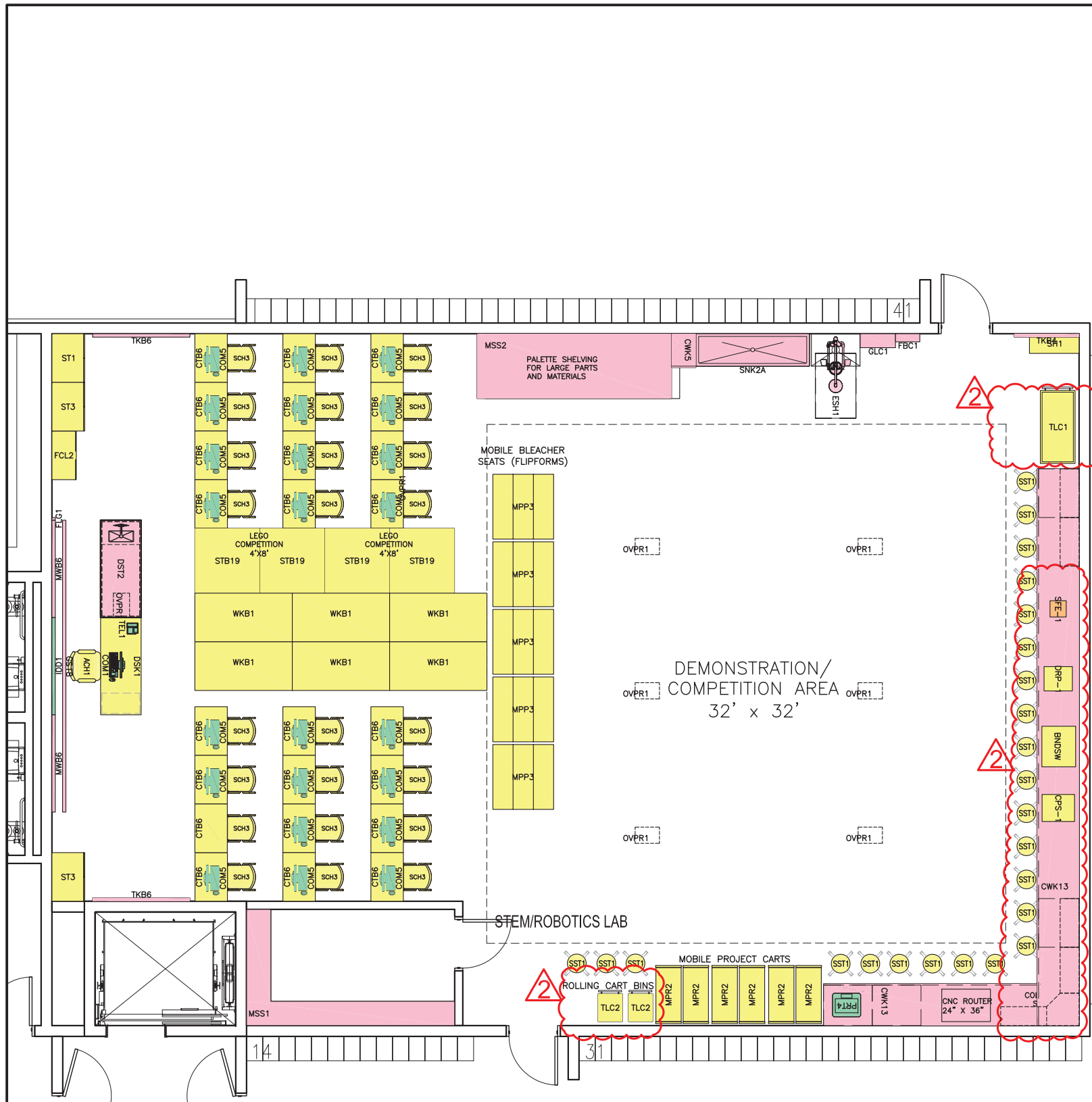
STEM/ROBOTICS LAB  
ROOM LAYOUT & FIT-OUT LIST

(AI-103) E-6a  
SYMBOL DATE REVISIONS  
A 1/29/2021 DOE SCHEMATIC (FINAL SUBM)  
A 3/27/22 ADDENDUM 1

DATE JULY 06, 2021  
DRAWING #

SCALE AS NOTED  
DRAWN BY  
APPROVED BY





**1** STEM/ROBOTICS LAB COMPETITION LAYOUT  
SCALE: 1/8" = 1'-0"

**UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST**

STEM/ROBOTICS LAB (COMPETITION LAYOUT)	PROVIDED BY						SIZE			TOTAL ROOMS = 1			
	POWER/DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H		QTY	UNIT SF	TOTAL SF
<b>OCCUPANTS</b>													
STUDENTS						*				24	15.00	360.00	
TEACHERS						*				1	15.00	15.00	
<b>FURNITURE AND EQUIPMENT</b>													
STUDENT TABLE - 48X48		STB19		*			4.00	4.00	2.83	4	16.00	64.00	
COMPUTER TABLE-24X36		CTB6		*			2.00	3.00	2.50	24	6.00	144.00	W/ GROMMETS & CABLE TRAY
DEMONSTRATION STATION		DST2		*			2.50	6.00	3.00	1	15.00	15.00	
ADMINISTRATIVE DESK-30X72		DSK1		*			2.50	6.00	2.50	1	15.00	15.00	
WORK BENCH		WKB1		*			2.50	6.00	2.83	6	15.00	90.00	
STUDENTS CHAIR		SCH3		*			1.70	1.74	1.50	24	2.96	70.99	
ADMINISTRATIVE CHAIR		ACH1		*			2.00	2.00	1.50	1	4.00	4.00	
STUDENT STOOL		SST1		*			1.83	1.83	2.00	24	3.35	80.37	
BOOKS SHELVING		SM1		*			1.17	3.06	2.50	1	3.58	3.58	
MOBILE PROJECT RACK		MPR2		*			1.58	3.58	3.61	6	5.66	33.94	
EMERGENCY SHOWER - EYE WASH STATION		ESH1		*			2.00	3.00		1	6.00	6.00	
SCIENCE ROOM SINK		SNK2A		*			2.00	7.00	2.83	1	14.00	14.00	OPEN SHELVES ABOVE
TOOL CART		TLC1		*			4.50	2.25	3.00	1	10.13	10.13	
ROLLING TOOL CART BIN		TLC2		*			1.50	1.70	2.80	2	2.55	5.10	
TEACHERS WARDROBE		ST1		*			2.00	3.00	6.00	1	6.00	6.00	
STORAGE CABINET 2X3		ST3		*			2.00	2.00	6.00	2	4.00	8.00	LOCKABLE
3 DRAWER LATERAL FILE CABINET		FLC2		*			2.50	3.00	2.83	1	8.85	8.85	
COUNTER W/UPPER AND LOWER CABINETS		CWK13		*			2.58	31.75	2.83	1	81.92	81.92	LOWER CABINETS WITH OPEN SHELVING ABOVE. PROVIDE POWER AND DATA AT DESK HEIGHT.
COUNTER W/UPPER AND LOWER CABINETS		CWK13		*			2.58	13.16	2.83	1	33.95	33.95	LOWER CABINETS WITH OPEN SHELVING ABOVE. PROVIDE POWER AND DATA AT DESK HEIGHT.
MOBILE BLEACHER (FLIPFORMS)		MPP3		*			4.00	4.00	1.00	5	16.00	80.00	STORED IN STORAGE ROOM
METAL STORAGE SHELVING		MSS1		*			1.50	20.00	6.00	1	30.00	30.00	
METAL STORAGE SHELVING		MSS2		*			4.00	12.00	2.83	1	48.00	48.00	PALETTE SHELVING
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
INTERACTIVE DISPLAY DEVICE	P/D	ID01		*				6.00	4.00	1			
MAGNETIC WHITE BOARD		MWB6		*				6.00	4.00	2			
TACK BOARD		TKB6		*				6.00	4.00	2			
TACK BOARD		TKB4		*				4.00	4.00	1			
GRIP STRIP		GS18		*				18.00	0.25	1			INSTALL ABOVE WALL MOUNTED DEVICES
FIRST AID AND FIRE BLANKET CABINET	P	FBC1		*			0.50	1.50	0.83	1			
GOGGLE CABINET	P	GLC1		*						1			
CLOCK SYSTEM	P/D	CLK1		*						1			
INTERCOM SYSTEM	P/D	ITC1		*						1			
OVERHEAD POWER REEL	P	OVPR1		*						8			
SOUND ENHANCEMENT SYSTEM	P	SES1		*						1			
FLAG HOLDER	P	FLG1		*						1			
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
CHOP SAW	P	CPS-1		*						1			COUNTER MOUNTED
BAND SAW	P	BNSW-1		*						1			COUNTER MOUNTED
DRILL PRESS	P	DRP-1		*						1			COUNTER MOUNTED
SOLDERING STATION WITH FLAME EXTRACT	P	SFE-1		*						1			COUNTER MOUNTED
CNC ROUTER	P/D			*						1			
TEACHERS COMPUTER	P/D	COM1		*						1			
STUDENTS COMPUTER	P/D	COM5		*						24			
3D PRINTER	P/D	PRT4		*						1			
TELEPHONE HANDSET	P/D	TEL1		*						1			
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>											1223.48		
<b>REQUIRED PROGRAM SF</b>											2500.00		

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

**NEW GRADE 7-9 SCHOOL**  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE: **UNION CITY NEW GRADE 7-9 SCHOOL**

PROJECT # **5240-N10-16-1000**

DATE: **JULY 06, 2021**

DRAWING # **E-6b**

SYMBOL DATE REVISIONS  
A 1/28/2021 DOE SCHEMATIC (FINAL SUBM)  
B 3/27/22 ADDENDUM 1

SCALE: **AS NOTED**

DRAWN BY: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_

COMpetition LAYOUT  
STEM/ROBOTICS LAB  
ROOM LAYOUT & FIT-OUT LIST



UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
ENVIRONMENTAL SCIENCE LAB	POWER/ DATA	FURN CODE	PROVIDED BY			SIZE			TOTAL ROOMS = 1			REMARKS	
			DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF		TOTAL SF
DESCRIPTION													
<b>OCCUPANTS</b>													
STUDENTS										24	15.00	360.00	
TEACHERS										1	15.00	15.00	
<b>FURNITURE AND EQUIPMENT</b>													
STUDENT TABLE - 18X60		STB16		*			1.50	5.00	2.83	12	7.50	90.00	
STUDENT STOOL		SST1		*			1.83	1.83		24	3.66	87.84	
TEACHERS PODIUM	P/D	TPOD1		*			1.76	1.76	3.00	2	2.72	5.44	1 FOR OUTSIDE TO BE STORED INDOORS
BOOK SHELVING		SH1		*			1.50	3.00	2.50	2	4.50	9.00	
ADMINISTRATIVE DESK-24X42	P/D	DSK3		*			2.00	3.50	2.50	1	7.00	7.00	
ADMINISTRATIVE CHAIR		ACH1		*			2.00	2.00	1.50	1	4.00	4.00	
OUTDOOR CHAIRS		OCH1		*			1.78	1.64	1.50	24			FOR OUTDOOR SEATING
OUTDOOR TABLE - 78X41		OTB01		*			3.42	6.58	2.83	3			FOR OUTDOOR USE
RAIN WATER HARVESTING TANK	P			*			48.00	3.14		1	150.72	150.72	
EVAPORATIVE COOLER	P			*			4.00	5.33		2	21.32	42.64	
SINK		SNK2A		*			2.00	7.00	2.83	1	14.00	14.00	
COUNTER	P/D	CWK13		*			2.58	16.92	2.83	1	43.65	43.65	STORAGE CABINETS BELOW PROVIDE POWER/DATA AT COUNTER HEIGHT
COUNTER	P/D	CWK13		*			2.58	10.00	2.83	1	25.80	25.80	STORAGE CABINETS BELOW PROVIDE POWER/DATA AT COUNTER HEIGHT
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
MAGNETIC WHITE BOARD		MWB8		*			8.00	4.00		2			1X WALL MOUNTED OUTDOORS
GRIP STRIP		GSS		*			8.00	0.25		1			INSTALLED OVER WALL MOUNTED DEVICES
TACK BOARD		TKB4		*			4.00	4.00		2			
CLOCK SYSTEM	P/D	CLK1		*						2			1X WALL MOUNTED OUTDOORS
INTERCOM SYSTEM	P/D	ITC1		*						1			
SOUND ENHANCEMENT SYSTEM	P	SES1		*						1			
FLAG HOLDER		FLG1		*						1			
FAN	P			*						2			
UNIT HEATER	P			*						2			
OVERHEAD POWER REEL	P	OVPR1		*						6			
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
HOSE BIB				*						4			
CONTROLS	P/D			*						1			
TELEPHONE HANDSET	P/D	TEL1		*						1			
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>												855.09	

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
EXTERIOR MATERIALS STORAGE	POWER/ DATA	FURN CODE	PROVIDED BY			SIZE			TOTAL ROOMS = 1			REMARKS	
			DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF		TOTAL SF
DESCRIPTION													
<b>OCCUPANTS</b>													
OCCUPANT										1	15.00	15.00	
<b>FURNITURE AND EQUIPMENT</b>													
STACK CHAIR DOLLY		DLY1		*			3.50	1.91	1.36	1	6.68	6.68	(SHOWN STACKED WITH 28 CHAIRS)
METAL STORAGE SHELVING		MSS2		*			1.50	12.33	6.00	1	4.50	4.50	
METAL STORAGE SHELVING		MSS2		*			1.50	7.17	6.00	2	4.50	9.00	
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>												35.18	
<b>REQUIRED PROGRAM SF</b>												100.00	

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

**NEW GRADE 7-9 SCHOOL**  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE

NJSDA PROJECT # 5240-N10-16-0AEN | DOE PROJECT # 5240-N10-16-1000

ENVIRONMENTAL SCIENCE LAB,  
ROOM LAYOUT & FIT-OUT LIST

APPROVED BY

AS NOTED

DATE JULY 06, 2021

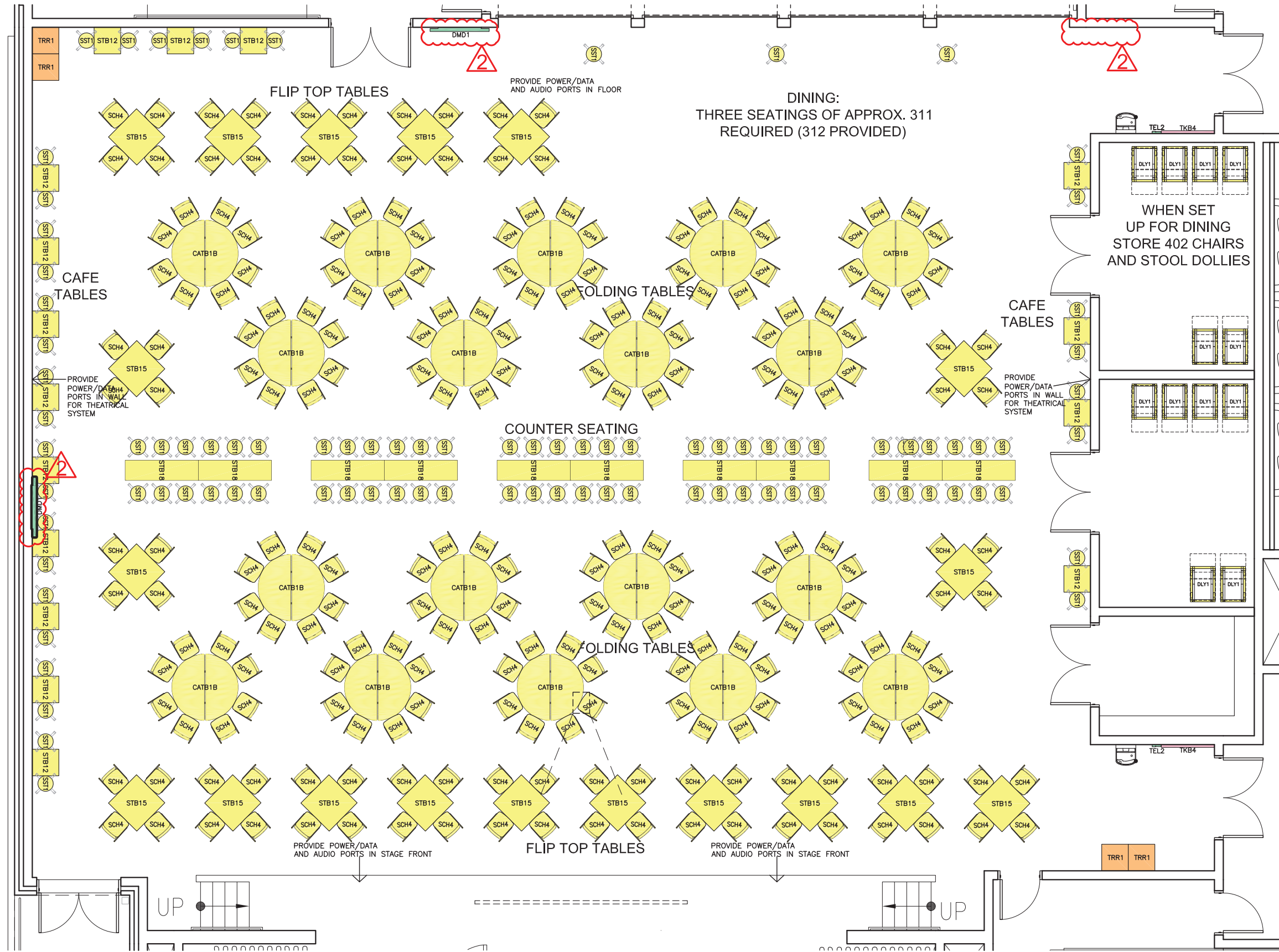
DRAWING # E-7a

(A1-103)

SYMBOL DATE REVISIONS

A 1/30/21 DOE SCHEMATIC (FINAL SUBM)

A 3/27/22 ADDENDUM 1



**1A** ROOM LAYOUT - CAFETORIUM (DINING)  
SCALE: 1/8" = 1'-0"

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:

PROVIDED BY DB/GC	PROVIDED BY SDA FFE	PROVIDED BY SDA TECH	PROVIDED BY DISTRICT	PROVIDED BY DISTRICT TECH
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STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

NJSDA PROJECT # 5240-N10-16-0AEN | DOE PROJECT # 5240-N10-16-1000

PROJECT TITLE

DATE JULY 06, 2021

DRAWING TITLE

(A1-101) E-11a1

CAFETORIUM (DINING)  
ROOM LAYOUT & FIT-OUT LIST

SYMBOL DATE REVISIONS

A	17/20/21	DOE SCHEMATIC/FINAL SUBM.
B	20/7/22	ADDENDUM 1

SCALE AS NOTED

DRAWN BY BSK

APPROVED BY JR

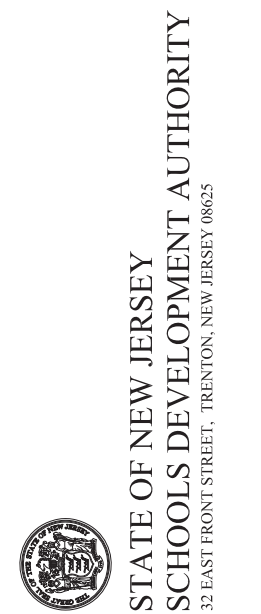
UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
CAFETORIUM DINING	PROVIDED BY						SIZE			TOTAL ROOMS = 1			
	POWER/ DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
DESCRIPTION													
OCCUPANTS						*					315	10.00	3150.00
FURNITURE AND EQUIPMENT													
CAFÉ HEIGHT TABLE - 24X24		STB12		*			2.00	2.00	3.00	16	4.00	64.00	
FLIP TOP DINING TABLE - 36X36		STB15		*			3.00	3.00	2.50	19	9.00	171.00	FLIP TOP TABLE
CAFÉ HEIGHT TABLE - 18X66		STB18		*			1.50	5.50	3.00	10	8.25	82.50	
ROUND CAFETERIA TABLE		CATB1B		*			5.00	5.00	2.50	18	25.00	450.00	FOLDABLE TALBE
STACKABLE CHAIR		SCH4		*			1.80	1.58	1.45	220	2.84	624.80	
STUDENT STOOL		SST1		*			1.83	1.83	2.00	96	3.35	321.60	
POINT OF SALE STATION (MOBILE)	P/D	POS1	*				1.33	1.33	3.00	3	1.77	5.31	
TRASH/RECYCLE RECETACLE		TRR1			*		2.00	2.00		4	4.00	16.00	
WALL AND CEILING MOUNTED EQUIPMENT													
TACK BOARD		TKB4	*				4.00	4.00		2			
DIGITAL MEDIA DISPLAY	P/D	DMD1		*									
LCD PROJECTOR AND SCREEN	P/D	LPS1	*										CEILING MOUNTED / MOTORIZED SCREEN
LOCAL SOUND SYSTEM	P/D	LSS1	*										WIRE AND WIRELESS MICROPHONES
FURNITURE AND EQUIPMENT (no floor impact)													
TELEPHONE HANDSET	P/D	TEL2	*								2		
CALCULATED NET TOTAL SF (OCCUPANTS AND FF&E)											4885.21		
REQUIRED PROGRAM SF											5650.00		

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
CAFETORIUM TABLES AND CHAIRS STORAGE (DINING)	PROVIDED BY						SIZE			TOTAL ROOMS = 2			
	POWER/ DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
DESCRIPTION													
OCCUPANTS						*					1	15.00	15.00
FURNITURE AND EQUIPMENT													
STACK CHAIR DOLLY		DLY1		*			3.50	1.91	1.36	6	6.68	40.08	(SHOWN STACKED WITH 38 CHAIRS FOR ASSEMBLY)
CAFÉ STOOL DOLLY		DLY2		*			4.33	2.00	1.36	2	8.66	17.32	(JUST DOLLY)
WALL AND CEILING MOUNTED EQUIPMENT													
FURNITURE AND EQUIPMENT (no floor impact)													
CALCULATED NET TOTAL SF (OCCUPANTS AND FF&E)											72.40		
REQUIRED PROGRAM SF											200.00		

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
CAFETORIUM TABLES AND CHAIRS STORAGE (DINING)	PROVIDED BY						SIZE			TOTAL ROOMS = 2			
	POWER/ DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
DESCRIPTION													
OCCUPANTS						*					1	15.00	15.00
FURNITURE AND EQUIPMENT													
STACK CHAIR DOLLY		DLY1		*			3.50	1.91	1.36	6	6.68	40.08	(SHOWN STACKED WITH 38 CHAIRS FOR ASSEMBLY)
CAFÉ STOOL DOLLY		DLY2		*			4.33	2.00	1.36	2	8.66	17.32	(JUST DOLLY)
WALL AND CEILING MOUNTED EQUIPMENT													
FURNITURE AND EQUIPMENT (no floor impact)													
CALCULATED NET TOTAL SF (OCCUPANTS AND FF&E)											72.40		
REQUIRED PROGRAM SF											200.00		

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



**NEW GRADE 7-9 SCHOOL**  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE: NEW GRADE 7-9 SCHOOL FOR UNION CITY SCHOOL DISTRICT UNION CITY, NEW JERSEY

DOE PROJECT # 5240-N10-16-1000

DATE: JULY 06, 2021

DRAWING # (A1-101)E-11a2

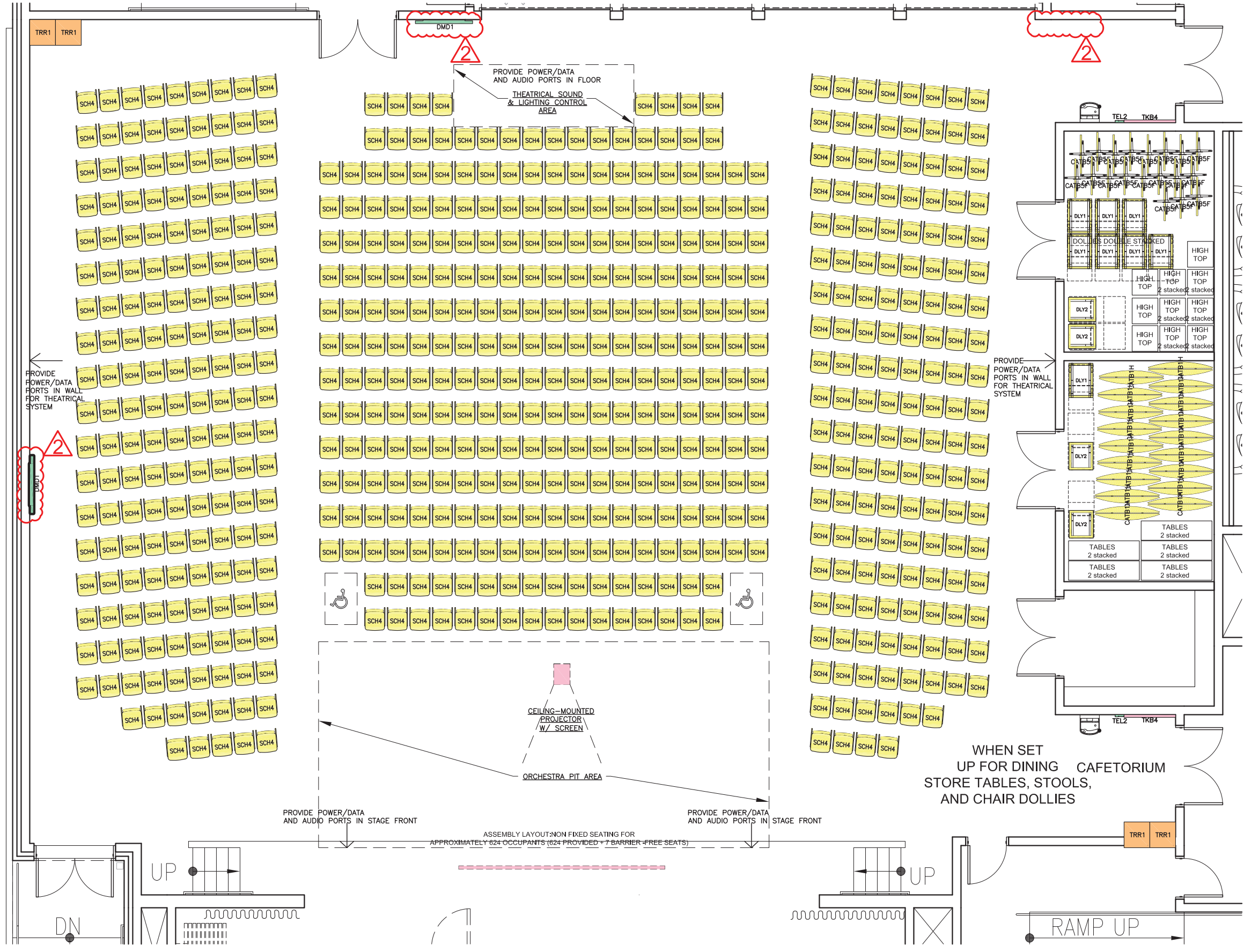
CAFETORIUM (DINING) ROOM LAYOUT & FIT-OUT LIST

SCALE: AS NOTED

DRAWN BY: BSK

APPROVED BY: JR


REVISIONS:  
A 7/29/21 DOE SCHEMATIC (FINAL SUBM.)  
A 8/07/22 ADDENDUM 1



1 ROOM LAYOUT - CAFETORIUM (ASSEMBLY)  
SCALE: 1/8" = 1'-0"

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

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**NEW GRADE 7-9 SCHOOL**  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

---

PROJECT TITLE

**NEW GRADE 7-9 SCHOOL**

DOE PROJECT # 5240-N10-16-1000

DRAWING TITLE

**CAFETORIUM (ASSEMBLY)  
ROOM LAYOUT & FIT-OUT LIST**

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DATE

JULY 06, 2021

DRAWING #

**(A1-101) E-11b1**

SYMBOL DATE REVISIONS

A 1/20/21 DOE SCHEMATIC/FINAL SUBM.

B 3/07/22 ADDENDUM 1

SCALE

AS NOTED | BSK

DRAWN BY

APPROVED BY

JR

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
CAFETORIUM ASSEMBLY	POWER/ DATA	FURN CODE	PROVIDED BY			SIZE			QTY	UNIT SF	TOTAL SF	REMARKS	TOTAL ROOMS = 1
			DB/GC	SDA FFE	SDA TECH	DIST	D	W					
DESCRIPTION													
<b>OCCUPANTS</b>													
OCCUPANTS						*				624	5.00	3120.00	
<b>FURNITURE AND EQUIPMENT</b>													
STACKABLE CHAIR		SCH4		*			1.80	1.58	1.45	624	2.84	1772.16	FROM +- 750 CHAIRS PURCHASED
TRASH/RECYCLE RECETACLE		TRR1			*		2.00	2.00		4	4.00	16.00	
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
TACK BOARD		TKB4	*				4.00	4.00		2			
DIGITAL MEDIA DISPLAY	P/D	DMD1		*						2			
LCD PROJECTOR AND SCREEN	P/D	LPS1	*							1			CEILING MOUNTED / MOTORIZED SCREEN
LOCAL SOUND SYSTEM	P/D	LSS1	*							1			WIRE AND WIRELESS MICROPHONES
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
TELEPHONE HANDSET	P/D	TEL2	*							2			
CALCULATED NET TOTAL SF (OCCUPANTS AND FF&E)												4908.16	
REQUIRED PROGRAM SF												5650.00	

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE

NJSDA PROJECT # 5240-N10-16-0AEN | DOE PROJECT # 5240-N10-16-1000

DRAWING TITLE

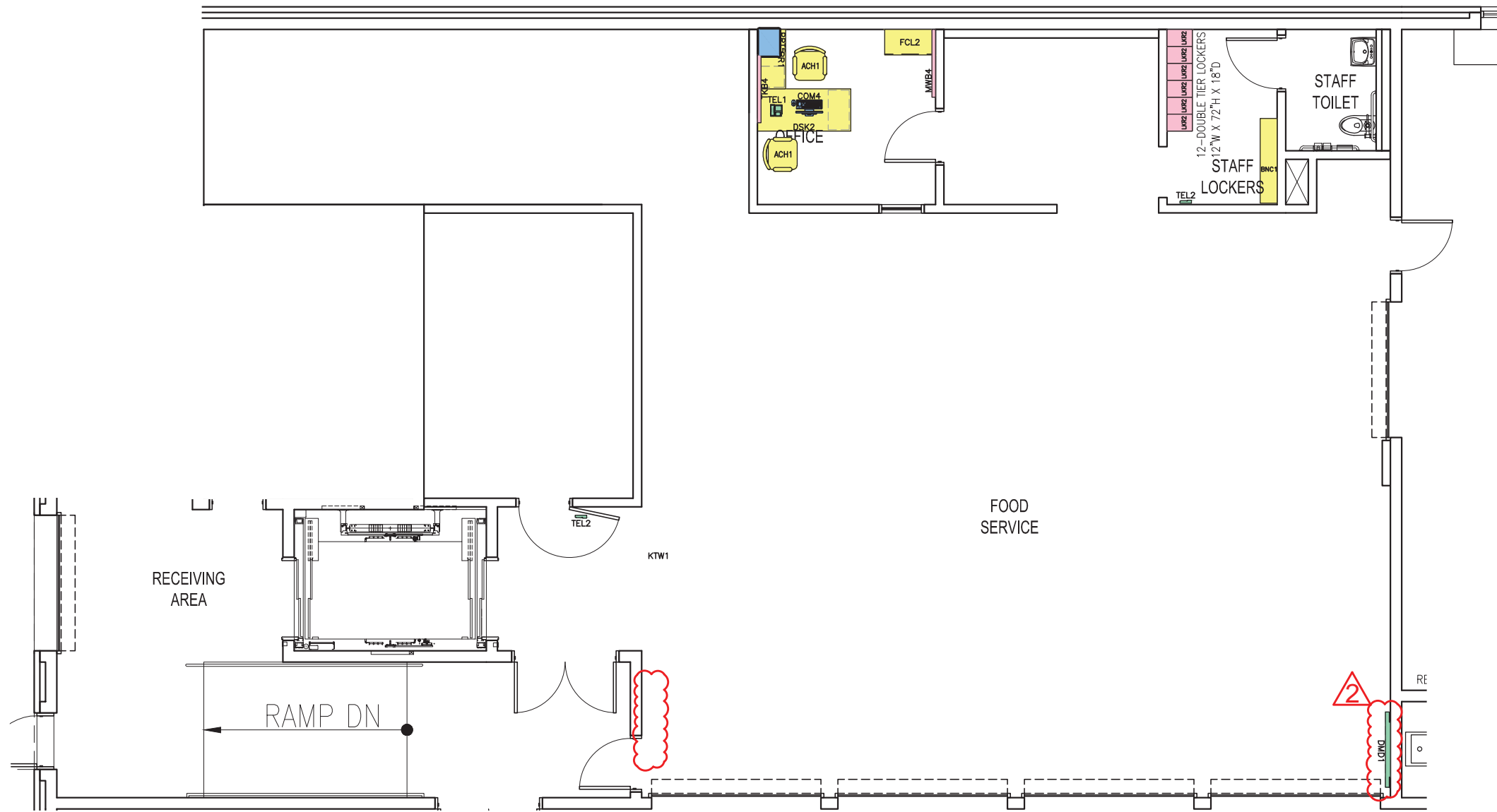
CAFETORIUM (ASSEMBLY)  
ROOM LAYOUT & FIT-OUT LIST

SCALE AS NOTED | DRAWN BY BSK | APPROVED BY JR

DATE JULY 06, 2021

DRAWING # (A1-101) E-11b2

SYMBOL DATE REVISIONS  
A 7/29/21 DOE SCHEMATIC (FINAL SUBM.)  
A 8/07/22 ADDENDUM 1



UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST														
FOOD SERVICE-KITCHEN / SERVRY		PROVIDED BY						SIZE			TOTAL ROOMS=1			
DESCRIPTION	POWER/DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS	
OCCUPANTS											10	15.00	15.00	
FURNITURE AND EQUIPMENT													STORED IN FOOD SERVICE	
WALL AND CEILING MOUNTED EQUIPMENT														
SMALLWARES- POTS, PANS, SPOONS, ETC.			KTW1							1				
HALL SERVICE KITCHEN INCLUDING SERVING LINE AND STORAGE	P/D	FSK1	*							1	1900.00	1900.00	REFER TO FOOD SERVICE PLAN FOR APPROX. AREA	
CLOCK SYSTEM	P/D	CLK1	*							1				
INTERCOM SYSTEM	P/D	IC1	*							1				
FURNITURE AND EQUIPMENT (no floor impact)														
DIGITAL MEDIA DISPLAY	P/D	DM1	*							1				
TELEPHONE HANDSET	P/D	TEL2	*							1				
CALCULATED NET TOTAL SF (OCCUPANT S AND FF&E)											2050.00			
REQUIRED PROGRAM SF											2300.00			

NOTE: POINT OF SALE AND CASHIER STOOLS NOTED ON THE CAFETERIUM FIT OUT LIST E-11a1 AND E-11a2

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
OFFICE		PROVIDED BY						SIZE			TOTAL ROOMS =1		
DESCRIPTION	POWER/DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
OCCUPANT S											1	15.00	15.00
FURNITURE AND EQUIPMENT													
ADMINISTRATIVE DESK- 30x60		DSK2	*				2.50	5.50	2.50	2	13.75	27.50	
BRIDGE RETURN		BR1	*				1.67	3.00	2.5	1	5.85	13.75	WITH PEDESTAL FILE CAB
ADMINISTRATIVE CHAIR		ACH1	*				2.00	2.00	1.50	1	4.00	8.00	
DRAWER LATERAL FILE CABINET		FCL2	*				1.50	3.00	2.33	1	4.50	4.50	
WALL AND CEILING MOUNTED EQUIPMENT													
MAGNETIC WHITE BOARD		MWB8	*				4.00	4.00		1			
TACK BOARD		TKB4	*				4.00	4.00		1			
CLOCK SYSTEM	P/D	CLK1	*							1			
INTERCOM SYSTEM	P/D	IC1	*							1			
FURNITURE AND EQUIPMENT (no floor impact)													
ADMINISTRATIVE MOBILE DEVICE	P/D	MDU4	*							1			
ADMINISTRATIVE PRINTER	P/D	PRT2	*							1			
TELEPHONE HANDSET	P/D	TEL1	*							1			
CALCULATED NET TOTAL SF (OCCUPANT S AND FF&E)											70.00		
REQUIRED PROGRAM SF											100.00		

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
STAFF LOCKERS		PROVIDED BY						SIZE			TOTAL ROOMS = 1		
DESCRIPTION	POWER/DATA	FURN CODE	DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
OCCUPANT S											6	15.00	90.00
FURNITURE AND EQUIPMENT													
LOCKER BENCH		BNC1	*				1.00	4.00	1.50	1	4.00	4.00	
12-W METAL LOCKER		LKR2	*				1.50	1.00	5.00	6	1.50	9.00	(12) TOTAL DOUBLE TIERED
WALL AND CEILING MOUNTED EQUIPMENT													
CLOCK SYSTEM	P/D	CLK1	*							1			
INTERCOM SYSTEM	P/D	IC1	*							1			
FURNITURE AND EQUIPMENT (no floor impact)													
TELEPHONE HANDSET	P/D	TEL2	*							1			
CALCULATED NET TOTAL SF (OCCUPANT S AND FF&E)											100.00		
REQUIRED PROGRAM SF											150.00		

1 FOOD SERVICE  
SCALE: 1/8" = 1'-0"

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE

DOE PROJECT # 5240-N10-16-1000

DRAWING TITLE

DATE JULY 06, 2021

DRAWING # E-13

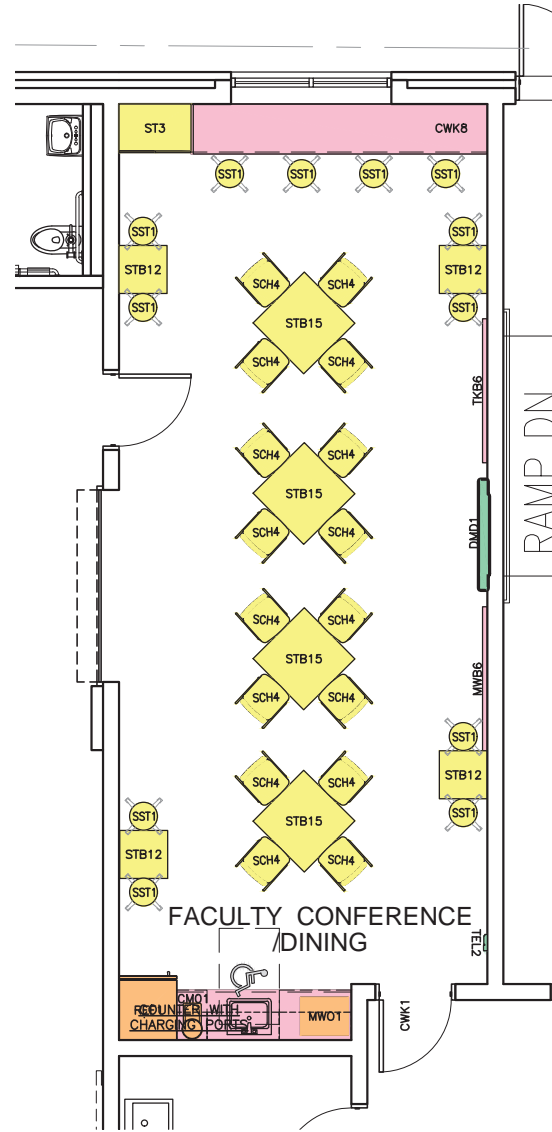
FOOD SERVICE  
ROOM LAYOUT & FIT-OUT LISTS

SYMBOL DATE REVISIONS  
A 1/28/2021 DOE SCHEMATIC (FINAL SUBMIT)  
A 3/27/22 ADDENDUM 1

APPROVED BY  
SCALE AS NOTED

DRAWN BY  
SCALE AS NOTED





1 FACULTY CONFERENCE \ DINING  
SCALE: 1/8" = 1'-0"

UNION CITY NEW GRADE 7-9 SCHOOL FIT OUT LIST													
FACULTY CONFERENCE/DINING	POWER/DATA	FURN CODE	PROVIDED BY				SIZE			TOTAL ROOMS = 1			
			DB/GC	SDA FFE	SDA TECH	DIST	D	W	H	QTY	UNIT SF	TOTAL SF	REMARKS
<b>OCCUPANTS</b>													
OCCUPANTS										28	10.00	280.00	
<b>FURNITURE AND EQUIPMENT</b>													
TABLE - 24X24		STB12		*			2.00	2.00	3.00	4	4.00	16.00	
TABLE - 36X36		STB15		*			3.00	3.00	2.50	4	9.00	36.00	
STACKABLE CHAIR		SCH4		*			1.80	1.58	1.50	16	2.84	45.44	
STUDENT STOOL		SST1		*			1.83	1.83	2.00	12	3.66	43.92	
REFRIGERATOR	P	REF1			*		2.67	2.42		1	6.39	6.39	
STORAGE CABINET		ST3		*			2.00	3.00	6.00	1	6.00	6.00	
COUNTER W/ SINK, UPPER AND LOWER CABINETS		CWK1		*			2.08	7.25	2.83	1	7.25	7.25	PROVIDE AREA FOR TRASH RECEPTACLE UNDER COUNTER. PROVIDE POWER AT COUNTER HEIGHT.
WORK COUNTER		CWK8		*			2.08	12.33	2.83	1	12.33	12.33	PROVIDE POWER AND DATA AT COUNTER HEIGHT.
<b>WALL AND CEILING MOUNTED EQUIPMENT</b>													
DIGITAL MEDIA DISPLAY	P/D	DMD1			*					1			
MAGNETIC WHITE BOARD		MWB6		*			6.00	4.00		1			
TACK BOARD		TKB6		*			6.00	4.00		1			
CLOCK SYSTEM	P/D	CLK1		*						1			
INTERCOM SYSTEM	P/D	ITC1		*						1			
<b>FURNITURE AND EQUIPMENT (no floor impact)</b>													
MICROWAVE OVEN	P	MWO1			*					1			
TELEPHONE HANDSET	P/D	TEL2		*						1			
COFFEE MAKER	P	CM01			*					1			
<b>CALCULATED NET TOTAL SF (OCCUPANTS AND FF&amp;E)</b>										1		453.33	
<b>REQUIRED PROGRAM SF</b>										1		550.00	

NOTE: RESPECTIVE RESPONSIBILITIES OF SDA AND DISTRICT FOR PROVISION OF FF&E AND TECHNOLOGY FIT OUT STILL TO BE FINALIZED.

LEGEND:  PROVIDED BY DB/GC  PROVIDED BY SDA FFE  PROVIDED BY SDA TECH  PROVIDED BY DISTRICT  PROVIDED BY DISTRICT TECH



STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

PROJECT TITLE

DOE PROJECT # 5240-N10-16-1000

DRAWING #

DATE JULY 06, 2021

FACULTY CONFERENCE / DINING  
ROOM LAYOUT & FIT-OUT LIST

(AI-101) E-14  
SYMBOL DATE REVISIONS  
A 1/28/2021 DOE SCHEMATIC (FINAL SUBMIT)  
A 3/27/22 ADDENDUM 1

SCALE AS NOTED BSK

APPROVED BY JR









**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

1 Mar 2022

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.	
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors			
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows				Wall
<b>DEDICATED GRADE LEVEL SPACES</b>										
<b>Grades 7-8</b>										
General Classroom, Grades 7-8	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Self-Contained Special Education Classroom	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Grades 7-8 Science Lab	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Grades 7-8 Science Lab Prep Room	Yes	45dB		0.6s	STC45	STC30		STC35	IIC40	
Art Room	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Art Room Kiln Room	No	48dB (excluding kiln equipment)		No Requirement	STC45	STC30		No Requirement	IIC40	
Small Group Instruction	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	IIC40	
Staff / Administrative Support Teacher Workroom	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.	
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors			
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows				Wall
Staff / Administrative Support Centralized Printing Room	No	48dB (excluding printing equipment)		No Requirement	STC45	STC30		No Requirement	IIC40	
<b>Grade 9</b>										
General Classroom, Grade 9	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Grade 9 Science Lab	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Grades 7-8 Science Lab Prep Room	Yes	45dB		0.6s	STC45	STC30		STC35	IIC40	
Art Room	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
Hydroponics Lab	Yes	45dB	40dB	0.6s	STC50		STC30	STC35	IIC40	
STEM / Robotics Lab	Yes	45dB	40dB	1.0s	STC50		STC30	STC35	IIC40	
Environmental Science Lab	Yes	No Requirement	40dB	No Requirement	STC50		STC30	STC35	IIC40	
Environmental Science Lab Outdoor Growing Area	No	No Requirement	40dB	No Requirement	See exterior noise requirements			IIC40		
Small Group Instruction	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	IIC40	

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.	
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors			
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows				Wall
Staff / Administrative Support Teacher Workroom	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Staff / Administrative Support Centralized Printing Room	No	48dB (excluding printing equipment)		No Requirement	STC45	STC30		No Requirement	IIC40	
<b>SHARED SPACES</b>										
Cafetorium	Yes	40dB		1.5s	STC55 (STC50 @ operable partition)	STC30 (STC28 @ interior coiling doors)	STC40	Not Applicable		Performance space.
Cafetorium Stage / Instrumental Music Room	Yes	40dB		1.0s when operable partition is closed 1.5s when operable partition is open	STC55 (STC50 @ operable partition)	STC30	STC40	Not Applicable		Performance space.
Food Service Kitchen	No	48dB (excluding culinary equipment)		No Requirement	STC55	STC30	No Requirement	Not Applicable		
Food Service Servery	No	48dB (excluding culinary equipment)		1.0s	STC55	STC30 (STC28 @ interior coiling doors)	No Requirement	Not Applicable		



**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors		
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows			
Food Service Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	Not Applicable
Food Service Locker Room	No	No Requirement		No Requirement	STC45	No Requirement			Not Applicable
Faculty Conference / Dining Room	Yes	45dB		0.6s	STC45	STC30		STC35	Not Applicable
Gymnasium	Yes	48dB		1.5s	STC55		STC30	STC40	Not Applicable
Gymnasium Physical Education Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	Not Applicable
Gymnasium Physical Education Locker Room	No	No Requirement		No Requirement	STC45	No Requirement			Not Applicable
Occupational Therapy / Physical Therapy / Sensory Room	Yes	40dB		0.6s	STC55		STC30	STC35	IIC40
Dance Studio	Yes	45dB	40dB	1.0s	STC55		STC30	STC35	IIC55
Dance Studio Changing Room	No	48dB		0.6s	STC45	No Requirement			IIC40
Vocal Music Room	Yes	40dB		0.6s	STC55		STC30	STC35	IIC40
Instrumental Music Office / Lesson Room	Yes	40dB		0.6s	STC55		STC30	No Requirement	Not Applicable

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.	
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors			
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows				Wall
Media Center Reading Rooms / Stacks	Yes	45dB	40dB	1.0s	STC50		STC30	STC35	IIC40	
Media Center Conference Room	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Technology Lab	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	IIC40	
<b>Building Support Services</b>										
Main Entrance / Security Desk	No	45dB		1.0s	STC45	STC30		No Requirement	Not Applicable	
Emergency Control Center	Yes	45dB		0.6s	STC45	STC30		No Requirement	Not Applicable	
Custodial Office/ Back-up Emergency Control Center	Yes	45dB		0.6s	STC45	STC30		No Requirement	Not Applicable	
Custodial Workroom / Lockers	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Receiving Area	No	No Requirement		No Requirement	STC55		STC30	No Requirement	Not Applicable	
<b>ADMINISTRATIVE / STUDENT SERVICES</b>										
Nurse's Office Reception / Intake / Cots	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	Not Applicable	
Nurse's Office Isolation Room	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	Not Applicable	

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors		
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows			
Nurse's Office Exam Room	Yes	45dB	40dB	0.6s	STC50		STC30	No Requirement	Not Applicable
Main Office Reception / Waiting / Secretary	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Main Office Principal Office	Yes	45dB		0.6s	STC50		STC30	No Requirement	IIC40
Main Office Vice-Principle Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Main Office Dean of Students Office / Conference Room	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Main Office Workroom	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Main Office Conference Room	Yes	45dB		0.6s	STC50		STC30	No Requirement	IIC40
Student Services Child Study Team / Social Worker Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Student Services Guidance Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40
Student Services Attendance Counselor Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	Not Applicable

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.	
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors			
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows				Wall
Student Services Conference / Testing Room	Yes	45dB		0.6s	STC50		STC30	No Requirement	IIC40	
Student Services Parent / Community Room	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Remote Administrative Offices Remote Vice Principal Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Remote Administrative Offices Itinerant Support Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Remote Administrative Offices Academic Supervisor Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	
Remote Administrative Offices Technology Coach Office	Yes	45dB		0.6s	STC45	STC30		No Requirement	IIC40	

**(Attachment A1.18) Table PS1030.00-1 Acoustic Performance Criteria**

Space	Sensitive Space?	Maximum A-Weighted Background Noise Level		Maximum Mid-Frequency Reverberation Time	Minimum Composite Interior STC Ratings			Minimum Interior Floor IIC Rating where over a Sensitive Space	Comments.
		From all sources	From building services		Where the adjacent space is sensitive		Where the adjacent space is not sensitive, for ceilings, walls (including doors and windows), and floors		
					For ceilings, walls without doors or windows, and floors	For walls with doors or windows			
<b>OTHER</b>									
Circulation Spaces	No	48dB		No Requirement	STC30		No Requirement	IIC40	
Restrooms & Toilets	No	No Requirement		No Requirement	STC45	No Requirement		IIC40	
Storage Rooms	No	No Requirements		No Requirement	No Requirement			IIC40	
Building Services Rooms containing any conveying, plumbing, HVAC, or fire protection equipment	No	No Requirement		No Requirement	STC55	Not Permitted		No Requirement	IIC40
Building Services Rooms containing exclusively electrical, communications, electronic safety and security, or integrated automation equipment	No	No Requirement		No Requirement	STC45	Not Permitted		No Requirement	IIC40

**SECTION B2050.00**  
**EXTERIOR DOORS AND GRILLES**

**I. PERFORMANCE.**

A. Basic Function.

1. Provide exterior doors where illustrated or scheduled utilizing the elements specified here.
2. Provide exterior doors in accordance with applicable codes.
3. Where exterior doors must also function as part of an element described within another section, meet the requirements of both sections.
  - a. Exterior doors shall function as an exterior wall when closed.
4. Where brand names are listed they represent the basis of design unless identified as proprietary.
  - a. Where a basis of design lists a manufacturer or product different than that identified as proprietary provide a product equivalent in performance to the Basis of Design, (Or Approved Equal), from the proprietary manufacturer.
5. The Design-Builder shall retain a professional certified as a Door + Hardware Consultant (DHC) by the Door and Hardware Institute or a similarly recognized professional door and hardware organization or with the minimum combination of education and experience required to qualify for DHI certification to complete the design of these elements and prepare the final door and hardware schedules.

B. Amenity and Comfort.

1. The acoustical performance of exterior doors shall comply with Performance Specifications Section PS1030.00, Project Criteria.
  - a. Where required acoustic performance shall be tested in accordance with ASTM E90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
2. Provide doors openings sized appropriately for the occupants and items likely to pass through.
  - a. The total door opening height shall be not less than 84”.
  - b. The total door opening width shall, except as noted below, be not less than 36”
    - (1) At least one door leaf in each opening shall be not less than 36” wide.
    - (2) No door leaf shall be less than 24” wide.

C. Health and Safety.

1. Secure each exterior door using a “fail-secure” method that allows egress from inside using one motion.
  - a. Hardware which requires a key for egress is not permitted.
2. Do not use rim-type auxiliary locks, lock combinations requiring two hands for operation, or interconnected locks.

3. Coordinate exterior doors with the access control and intrusion detection elements described in section D6000.00 Communications.
    - a. Provide factory preparation, including the concealment of wiring, for access control and intrusion detection components installed in doors, frames, or hardware.
  4. Fasteners exposed when the door is closed shall be tamperproof and, wherever possible, located on the secure side of the opening.
- D. Operation and Maintenance.
1. Ease of use and repair: Provide doors that will be easy to use by occupants, easy to repair or service, and with operating components easy to replace.

## II. PRODUCTS.

### A. Proprietary Specifications.

1. The following products or manufacturers have been approved by the Authority for proprietary specification and use in this Project:
  - a. None.

### B. Aluminum Frames.

1. Basis of design: Special-Lite SL-250TB or SL-600TB, (Or Approved Equal).
  - a. Material: Extruded aluminum.
  - b. Face dimension: 2”.
  - c. Wall thickness: 125”.
  - d. Construction: Thermally insulated.
  - e. Assembly: Shear block.
  - f. Exposed finish: AAMA 2605 fluorocarbon polymer to match PPG UC106663UF Sunstorm Renaissance Silver, (Or Approved Equal).

### C. Fiberglass Doors.

1. Basis of Design: Special-Lite SL-20, (Or Approved Equal).
  - a. Construction: Flush.
  - b. Face sheets: Fiberglass reinforced polyester, .120” thick.
  - c. Stiles and rails: Extruded aluminum with mitered corners. Top rails and stiles flush. Latch stile beveled.
  - d. Core: Foamed-in-place polyurethane, 5lb / cuft density, with aluminum reinforcement for hardware.
  - e. Finish: Integral color through thickness of face sheet, color to match Special-Lite #5597 Light Grey.

### D. Overhead Coiling Doors.

1. Basis of design: Overhead Door Corporation model 610, (Or Approved Equal).
  - a. Curtain: F-265 slats, 18 gauge steel.

- b. Bottom bar: Two galvanized steel angles.
  - c. Guides: Three structural steel angles.
  - d. Barrel deflection: Limited 1/400 of span.
  - e. Counterbalance: Adjustable spring.
  - f. Electric motor operation: Sized move door in either direction at between 8 to 12 inches / second.
  - g. Obstruction detection: Electric sensing edge and photoelectric sensor. Self-monitoring function for both systems.
  - h. Control: Recessed key and / or pushbutton switch.
  - i. Duty cycle: Not less than 20,000 cycles, including operator.
  - j. Lock: Slide bolt lock with interlock switch.
  - k. Finish: Polyester powder-coat, color to match a selection to be determined from the Overhead Door Corporation PowerGuard Premium powder coat finishes, (Or Approved Equal).
2. Insulated overhead coiling door basis of design: Overhead Door Corporation model Stormtite AP 627, (Or Approved Equal).
- a. Curtain: FIT-265 slats, 22 gauge galvanized steel front slat, foamed in place polyurethane insulation, R-value 10.9, 24 gauge galvanized steel back slat.
  - b. Insulated vision lites.
  - c. Seals: Internal hood, lintel, curtain bottom, interior and exterior guide, and guide cover and cap.
  - d. Air infiltration: 1.00cfm / sqft @ 1.57psf.
  - e. Bottom bar: Two galvanized steel angles.
  - f. Guides: Three structural steel angles.
  - g. Barrel deflection: Limited 1/400 of span.
  - h. Counterbalance: Adjustable spring.
  - i. Electric motor operation: Sized move door in either direction at between 8 to 12 inches / second.
  - j. Obstruction detection: Electric sensing edge and photoelectric sensor. Self-monitoring function for both systems.
  - k. Control: Recessed key and / or pushbutton switch.
  - l. Duty cycle: Not less than 20,000 cycles, including operator.
  - m. Lock: Slide bolt lock with interlock switch.
  - n. Finish: Polyester powder-coat, color to match a selection to be determined from the Overhead Door Corporation PowerGuard Premium powder coat finishes, (Or Approved Equal).



3. Where required overhead coiling fire door basis of design: Overhead Door Corporation model 635, (Or Approved Equal).
  - a. Curtain: F-265i slats, 22 gauge galvanized steel front, mineral wool insulation, R-value 4.5, 24 gauge galvanized steel back.
  - b. Seals: Internal hood, lintel, curtain bottom, interior and exterior guide, and guide cover and cap.
  - c. Air infiltration: 1.00cfm / sqft @ 1.57psf.
  - d. Bottom bar: Two galvanized steel angles.
  - e. Guides: Three structural steel angles.
  - f. Barrel deflection: Limited 1/400 of span.
  - g. Counterbalance: Adjustable spring.
  - h. Fire operation: Fusible link, signal from the fire alarm system, and manual pull handle.
  - i. Reset: By one person at floor level with electric motor operation, sized move door in either direction.
  - j. Obstruction detection: Electric sensing edge and photoelectric sensor. Self-monitoring function for both systems.
  - k. Control: Recessed key and / or pushbutton switch.
  - l. Duty cycle: Not less than 20,000 cycles, including operator.
  - m. Lock: Slide bolt lock with interlock switch.
  - n. Polyester powder-coat, color to match a selection to be determined from the Overhead Door Corporation PowerGuard Premium powder coat finishes, (Or Approved Equal).
- E. Aluminum Framed Entrances and Storefronts.
  1. Provide the following in accordance with AAMA SFM-1 Aluminum Storefront and Entrance Manual
    - a. Entrance doors.
      - (1) Operation: Single acting swinging.
      - (2) Construction: Wide stile and rail.
      - (3) Nose: Beveled.
      - (4) Frequency of use: Greater than 1500 cycles / day.
      - (5) Type of traffic: Abusive.
      - (6) Basis of Design: Efc0 D518, (Or Approved Equal).
        - (a) Thickness: 2"
        - (b) Head rail and stiles: 5" face.
        - (c) Bottom rail: 12" face.
        - (d) Primary portions of door members: .125" wall thickness.

(e) Corner construction: Concealed reinforcement brackets with screws and welded.

(f) Hinge reinforcement: 12 gauge steel, full height of hinge stile.

b. Frames and framing.

(1) Provision for thermal movement: 180°F temperature range in the material.

(2) Horizontal Deflection: 1/240 maximum.

(3) Condensation resistance factor: CRF60 minimum.

(4) Thermally insulated.

(5) Glazed from the outside.

(6) Basis of design: Efco 403X, (Or Approved Equal).

(a) Dimensions: 2" face x 4-1/2" depth.

(b) Primary portions of framing members: .080" minimum wall thickness.

(c) Hinge reinforcement: 12 gauge steel, full height of jamb.

c. Glazing.

(1) Method: Dry.

(2) Snap-in aluminum glazing stops: .050" minimum wall thickness.

d. Hardware integral to frame.

(1) Head and jamb gasketing.

(a) Replaceable thermoplastic elastomer gasket.

(i) Adhesive applied gaskets are not acceptable.

(ii) Magnetic gaskets are not acceptable.

e. Exposed finish: AAMA 2605, fluorocarbon polymer, custom color to match PPG UC106663UF Sunstorm Renaissance Silver, (Or Approved Equal).

f. Match the configuration, member and framing dimensions of the exterior aluminum framed entrances and storefronts.

F. Door Hardware.

1. Provide finishes in accordance with ANSI / BHMA A156.18 Materials and Finishes.

2. Provide the following in accordance with ANSI / BHMA A156.1 Standard for Butts and Hinges.

a. Butt hinges.

(1) Type A5111: Stainless steel, full mortise, anti-friction bearing, grade 1 (heavy weight).

(2) Hinge height: 4-1/2"

(3) Where the barrel of a hinge is located on the un-secure side of controlled access openings provide non-removable pins.

- (4) Exposed finish: BHMA 630 (US32D), satin stainless steel.
  - (5) Basis of design: McKinney T4B3386, (Or Approved Equal)
    - (a) 5 knuckles.
    - (b) Ball bearing.
  - (6) Select butt hinges to permit doors to swing freely to the exterior stop.
3. Provide the following in accordance with ANSI / BHMA A156.3 -2020 Standard for Exit Devices.
- a. Exit device:
    - (1) Type 1, rim exit device, push-pad.
    - (2) Grade 1.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of Design: Sargent 8800 Series, (Or Approved Equal).
      - (a) Mortise strike.
      - (b) Pull: 862.
      - (c) ET trim, J Lever.
  - b. Removable mullion.
    - (1) Type 22, removable mullion.
    - (2) Basis of design: Sargent L980s.
      - (a) Lockable.
      - (b) Steel.
      - (c) Factory applied prime finish, paint to match frame.
    - (3) Where electrified hardware is located in a removable center mullion basis of design: Sargent EL980S, (Or Approved Equal).
      - (a) Lockable.
      - (b) Steel.
      - (c) Factory installed quick connect wiring.
      - (d) Factory applied prime finish, paint to match frame.
4. Provide the following in accordance with ANSI / BHMA A156.4 Door Controls - Closers.
- a. Door Closer.
    - (1) Type C02021: Overhead surface mounted to door, modern type with cover, parallel arm mounting, grade 1.
    - (2) Where a holder arm is scheduled type C02061: Overhead surface mounted to door, modern type with cover, holder parallel arm mounting, grade 1.
    - (3) Exposed finish: BHMA 689 (US28), aluminum painted.
    - (4) Basis of Design: LCN 4040XP series, (Or Approved Equal).

- (a) Cast iron cylinder, non-sized.
  - (b) Forged steel piston.
  - (c) All weather fluid.
  - (d) Adjustable spring sizes.
  - (e) Adjustable hydraulic back-check.
  - (f) Separately adjustable closing and latching speeds.
  - (g) Time adjustable delayed closing.
  - (h) Powder coated metal cover.
- (5) Do not use concealed overhead type, floor mounted type, or spring hinges.
  - (6) Size closer for door weight to close and latch door despite drafts and wind.
  - (7) Configure closers to permit doors to swing freely to the exterior stop.
5. Provide the following in accordance with ANSI / BHMA A156.5 Standard for Cylinders and Input Devices for Locks
- a. Mortise cylinders.
    - (1) Type E09251: Mortise interchangeable core housing, grade 1.
    - (2) Small format interchangeable cores.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Sargent 40 series, (Or Approved Equal).
      - (a) Stainless steel cap and cylinder guard.
  - b. Rim cylinders.
    - (1) Type E09261: Rim interchangeable core housing, grade 1.
    - (2) Small format interchangeable cores.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Sargent 34 series, (Or Approved Equal).
      - (a) Stainless steel cap and cylinder guard.
  - c. Thumb-turn cylinder.
    - (1) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (2) Basis of design: Sargent 124 series, (Or Approved Equal).
      - (a) Brass housing.
      - (b) Stainless steel cap and cylinder guard.
6. Provide the following in accordance with ANSI / BHMA A156.6 Architectural Door Trim.
- a. Door protection plates.
    - (1) Armor plates.

- (a) Type J101: Metal armor plate.
      - (b) 30" high x 2" less than the door opening width.
    - (2) Kick plates.
      - (a) Type J102: Metal kick plate
      - (b) 10" high x 2" less than the door opening width.
    - (3) Mop plates
      - (a) Type J103: Metal mop plate.
      - (b) 6" high x 2" less than the door opening width.
    - (4) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (5) Beveled edges.
    - (6) Where both armor or kick and mop plates are scheduled if on the push side of the door provide armor or kick plates.
  - b. Cylinder pulls
    - (1) Type J303: Push – pull plate.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Rockwood 90, (Or Approved Equal).
      - (a) Minimum thickness: .125"
7. Provide the following in accordance with ANSI / BHMA A156.08 Door Controls - Overhead Stops and Holders.
- a. Overhead stop with holder.
    - (1) Type: C53511: Stainless steel, overhead surface jointed arm, stop and holder, grade 1.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Glynn-Johnson 81H, (Or Approved Equal).
  - b. Overhead stop.
    - (1) Type: C53541: Stainless steel, overhead surface jointed arm, stop only, grade 1.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Glynn-Johnson 81S, (Or Approved Equal).
8. Provide the following in accordance with ANSI / BHMA A156.13 American National Standard for Mortise Locks and Latches.
- a. Mortise lockset.
    - (1) Operational grade 1.
    - (2) Security grade 1.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Sargent 8200 Series, (Or Approved Equal).

- (a) Lever: J
  - (b) Rose: L
  - (c) Where cylinders or thumb-turns are scheduled provide escutcheon: LW1.
9. Provide the following in accordance with ANSI/BHMA A156.15 Release Devices - Closer Holder, Electromagnetic and Electromechanical.
- a. Electromagnetic release.
    - (1) Type C00011: Wall mounted, grade 1.
    - (2) Exposed finish BHMA 689 (US28) aluminum painted.
    - (3) Basis of design: Rixson 994M, (Or Approved Equal).
      - (a) Flush mount.
10. Provide the following in accordance with ANSI / BHMA A156.16 Auxiliary Hardware.
- a. Lever extension flush bolts.
    - (1) Type: L04081: For ANSI preparation, grade 1.
    - (2) Exposed finish: BHMA 626 (US26D) satin chrome plated.
    - (3) Basis of design: Rockwood 550, (Or Approved Equal).
      - (a) Adjustable bolt.
      - (b) Bolt tip: ½” diameter
      - (c) Bolt throw: ¾”
    - (4) Provide in pairs, at head and bottom of door.
      - (a) Provide bolt at bottom of door with a dustproof strike.
11. Provide the following in accordance with ANSI / BHMA A156.21 Thresholds.
- a. Type J32139: Aluminum, flat saddle, fluted surface, barrier free, thermal barrier.
  - b. Exposed finish: Mill finished aluminum.
  - c. Basis of design: Pemko 252 through 256, (Or Approved Equal).
12. Provide the following in accordance with ANSI / BHMA A156.22 Door Gasketing and Edge Seal Systems.
- a. Rain drip.
    - (1) Type R3Y976: Aluminum, rain drip without gasket, frame face applied, not rated.
    - (2) Exposed finish: BHMA 628 (US28) satin clear anodized.
    - (3) Basis of design: Pemko 346C, (Or Approved Equal).
  - b. Gasketing.
    - (1) Type R3G165: Aluminum retainer, thermoplastic elastomer gasketing, head and jamb type, frame soffit applied, energy performance rated.
    - (2) Slotted holes for adjustment.

- (3) Exposed finish: BHMA 628 (US28) satin clear anodized.
  - (4) Basis of design: Pemko 29310CPK, (Or Approved Equal).
    - (a) Concealed mounting screws.
    - (b) Replaceable gasket.
  - (5) Adhesive applied gasketing is not acceptable.
  - (6) Magnetic gasketing is not acceptable.
- c. Door sweep.
- (1) Type R3D435: Aluminum retainer, vinyl gasketing, door sweep type, door face applied, energy performance rated.
  - (2) Slotted holes for adjustment.
  - (3) Exposed finish: BHMA 628 (US28) satin clear anodized.
  - (4) Basis of design: Pemko 293100CV, (Or Approved Equal).
    - (a) Concealed mounting screws.
    - (b) Replaceable gasket.
  - (5) Adhesive applied gasketing is not acceptable.
  - (6) Magnetic gasketing is not acceptable.
- d. Astragals
- (1) Type R3G636: Aluminum retainer, thermoplastic elastomer casketing, overlapping astragal, door face applied, not rated.
  - (2) Exposed finish: BHMA 628 (US28) satin clear anodized.
  - (3) Basis of Design: Pemko 355CPK, (Or Approved Equal).
    - (a) Replaceable gasket.
  - (4) Adhesive applied gasketing is not acceptable.
  - (5) Magnetic gasketing is not acceptable.
13. Provide the following in accordance with ANSI / BHMA A156.23 Standard for Electromagnetic Locks.
- a. Electromagnetic lock.
    - (1) Type E18572: Indoor only, shear lock, grade 2.
    - (2) Mortise lock in header of frame and recessed in top of door.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Securitron SAM Shear Aligning Maglock, (Or Approved Equal).
14. Provide the following in accordance with ANSI / BHMA A156.25 Electrified Locking Devices.
- a. Electrified exit device.

- (1) Type N2-A156.3- G1-E02, E04: Full indoor, low voltage, exit device, grade 1, with latch position switch, electric latch retraction.
  - (a) Where doors are electronically held open provide E02, latch position switch.
- (2) Exposed finish and basis of design: See exit devices.
- b. Electrified mortise lockset.
  - (1) Type N2- A156.13-G1- E06: Full indoor, low voltage, mortise lock or latch, grade 1, with latch position switch, electronic unlocking (fail secure).
    - (a) Where doors are electronically held open provide E02, latch position switch.
  - (2) Exposed finish and basis of design: See mortise locksets.
15. Provide the following in accordance with ANSI/BHMA A156.26 Continuous Hinges.
  - a. Continuous hinges.
    - (1) Type A51021B: Stainless steel, edge mounted, 300#, grade 1, barrel hinge.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Markar FM 300, (Or Approved Equal).
16. Mechanical keying shall be in accordance with ANSI/BHMA A156.28 Standard for Recommended Practices for Mechanical Keying Systems.
  - a. Local system: Unique in nation, 3 levels, with selective master keys, and integrated into the District-wide system.
  - b. Duplication: Key blanks and key making restricted to the District.
17. Power supplies for electronic hardware shall be in accordance with ANSI/BHMA A156.35 Power Supplies for Electronic Access Control.
18. Latch guards
  - a. Exposed finish: BHMA 630 (US32D), satin stainless steel.
  - b. Basis of design: Ives LG10, (Or Approved Equal).
    - (1) 9-1/2" minimum high.
    - (2) 13 gauge stainless steel.
    - (3) No exposed fasteners on face of unit.

**G. Exterior Glass Glazing.**

1. Exterior glass glazing shall be 5/8" minimum thick insulated glass units.
2. Where required safety glazing shall be or glass glazing shall be fully tempered or laminated glass
3. Where required fire glazing shall be ceramic glass.
4. Plastic glazing is not acceptable.
5. Provide glazing types as indicated in Exterior Elevation drawings and Glazing Schedule. See Section B2020.00, Exterior Windows, for Glazing Schedule.

**III. METHODS OF CONSTRUCTION.**



A. Exterior Door Schedule.

1. The Exterior Door Schedule provides only the level of detail necessary to assign certain common design criteria to a group of interior doors and does not represent a complete design. Provide those additional elements necessary to adapt a mark to a specific exterior door, achieve the scheduled operation, meet other performance criteria or conform to code.

B. Hardware Preparation.

1. Prepare hollow metal doors and frames for hardware in accordance with ANSI / BHMA A156.115 Hardware Preparation in Steel Doors or Steel Frames.

**END OF SECTION B2050.00**

**SECTION C1030.00**  
**INTERIOR DOORS**

**I. PERFORMANCE.**

A. Basic Function.

1. Provide interior doors where illustrated or scheduled utilizing the elements specified here.
2. Provide interior doors in accordance with applicable codes.
3. Where interior doors must also function as part of an element described within another section, meet the requirements of both sections.
  - a. Interior doors shall function as an interior partition when closed.
4. Where brand names are listed they represent the basis of design unless identified as proprietary.
  - a. Where a basis of design lists a manufacturer or product different than that identified as proprietary provide a product equivalent in performance to the basis of design, (Or Approved Equal), from the proprietary manufacturer.
5. The Design-Builder shall retain a professional certified as a Door + Hardware Consultant (DHC) by the Door and Hardware Institute or a similarly recognized professional door and hardware organization or with the minimum combination of education and experience required to qualify for DHI certification to complete the design of these elements and prepare the final door and hardware schedules.

B. Amenity and Comfort.

1. The acoustical performance of interior doors shall comply with Performance Specifications section PS1030.00, Project Criteria.
  - a. Where required acoustic performance shall be tested in accordance with ASTM E90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
2. Provide doors openings sized appropriately for the occupants and items likely to pass through.
  - a. The total door opening height shall be not less than 84”.
  - b. The total door opening width shall, except as noted below, be not less than 36”
    - (1) At least one door leaf in each opening shall be not less than 36” wide.
    - (2) No door leaf shall be less than 24” wide.
    - (3) The total door opening width of interior doors communicating with closets not more than 32” deep may be reduced to the largest feasible but not less than a minimum of 24” wide.

C. Health and Safety.

1. Secure each interior door using a “fail-secure” method that allows egress from inside using one motion.
  - a. Hardware which requires a key for egress is not permitted.

2. Do not use rim-type auxiliary locks, lock combinations requiring two hands for operation, or interconnected locks.
  3. Coordinate interior doors with the access control and intrusion detection elements described in section D6000.00 Communications.
    - a. Provide factory preparation, including the concealment of wiring, for access control and intrusion detection components installed in doors, frames, or hardware.
  4. Fasteners exposed when the door is closed shall be tamperproof and, wherever possible, located on the secure side of the opening.
- D. Operation and Maintenance.
1. Ease of use and repair: Provide doors that will be easy to use by occupants, easy to repair or service, and with operating components easy to replace.

## **II. PRODUCTS.**

### **A. Proprietary Specifications.**

1. The following products or manufacturers have been approved by the Authority for proprietary specification and use in this Project:
  - a. None.

### **B. Hollow Metal Frames.**

1. Provide hollow metal frames in accordance with ANSI / SDI A250.8 Specifications for Standard Steel Doors and Frames (SDI-100).
  - a. Level 3 Extra Heavy-Duty, physical performance A.
  - b. Mitered and full profile welded.
    - (1) Knock-down frames are not acceptable.
  - c. The use of anchor details is limited to the named interior partition type.
  - d. Where zinc coated provide A40 Galvannealed.
  - e. Factory applied prime finish, see C2000.00 Interior Finishes for paint.
2. Provide wrap-around frames where interior doors are installed within unit masonry interior partitions not more than 12” thick and within all plaster or gypsum board interior partitions.
3. The face dimension of frames shall, except as noted below, be 2”.
  - a. Where installed butted within an opening in a unit masonry interior partition the face dimension of the head of a frame may be increased to 4” to accommodate coursing.
  - b. Where required to accommodate hardware the face dimension of the head of a frame may be increased to 4.”
  - c. The face dimension of the head of a frame shall be consistent across interior doors installed in identical interior partition types, partition thickness and with the same door material.
4. Where caulking stops, filler pieces, or other trim are required they shall be integrally formed as part of the frame.

C. Hollow Metal Doors.

1. Provide hollow metal doors in accordance with ANSI / SDI A250.8 Specifications for Standard Steel Doors and Frames (SDI-100).
  - a. Level 3 Extra Heavy-Duty, physical performance A.
  - b. Where zinc coated provide A40 Galvannealed.
  - c. Latch edges shall be beveled.
  - d. Factory applied prime finish, see C2000.00 Interior Finishes for paint.
2. Where glazing is scheduled provide removable metal glazing stops primed and painted to match the door

D. Flush Wood Doors.

1. Provide flush wood doors in accordance with ANSI / WDMA I.S. 1A Industry Standard for Interior Architectural Wood Flush Doors
  - a. Aesthetics.
    - (1) Aesthetic grade: Premium.
    - (2) Face selection: Wood veneered for transparent finishes.
    - (3) Appearance of individual veneer leafs: Plain sliced.
    - (4) Matching between individual veneer leafs: Book match.
    - (5) Assembly of spliced veneer leafs on door face: Center balance.
    - (6) Appearance of doors in pairs or sets: Matched.
    - (7) Veneer species: White oak.
  - b. Performance standard: Extra Heavy Duty.
  - c. Finish requirements.
    - (1) Stain: See C2000.00 Interior Finishes.
    - (2) Topcoat: Factory TR-6 catalyzed polyurethane.
  - d. Construction.
    - (1) Core: SLC Staved Lumber Core, SCLC Structural Composite Lumber Core, or FD Fire Resistant Composite.
    - (2) Vertical Edge (Stile): Wood, one piece, veneered and finished to match face.
    - (3) Edge interface: Bonded.
    - (4) Construction details.
      - (a) Latch edge: Beveled.
      - (b) Where glazing is scheduled, glazing bead: M4 Metal Vision Frame, primed and painted to match the door.

E. Overhead Coiling Doors.

1. Basis of design: Overhead Door Corporation model 610, (Or Approved Equal).

- a. Curtain: F-265 slats, 18 gauge steel.
  - b. Bottom bar: Two galvanized steel angles.
  - c. Guides: Three structural steel angles.
  - d. Barrel deflection: Limited 1/400 of span.
  - e. Counterbalance: Adjustable spring.
  - f. Electric motor operation: Sized move door in either direction at between 8 to 12 inches / second.
  - g. Obstruction detection: Electric sensing edge and photoelectric sensor. Self-monitoring function for both systems.
  - h. Control: Recessed key and / or pushbutton switch.
  - i. Duty cycle: Not less than 20,000 cycles, including operator.
  - j. Lock: Slide bolt lock with interlock switch.
  - k. Finish: Polyester powder-coat, color to match a selection to be determined from the Overhead Door Corporation PowerGuard Premium powder coat finishes, (Or Approved Equal).
2. Where fire curtains are required, basis of design: Overhead Door Corporation model 634, (Or Approved Equal).
- a. Curtain: F-265 slats, 18 gauge steel.
  - b. Bottom bar: Two galvanized steel angles.
  - c. Guides: Three structural steel angles.
  - d. Barrel deflection: Limited 1/400 of span.
  - e. Counterbalance: Adjustable spring.
  - f. Fire operation: Fusible link, signal from the fire alarm system, and manual pull handle.
  - g. Reset: By one person at floor level with electric motor operation, sized move door in either direction.
  - h. Obstruction detection: Electric sensing edge and photoelectric sensor. Self-monitoring function for both systems.
  - i. Control: Recessed key and / or pushbutton switch.
  - j. Duty cycle: Not less than 20,000 cycles, including operator.
  - k. Lock: Slide bolt lock with interlock switch.
  - l. Finish: Polyester powder-coat, color to match a selection to be determined from the Overhead Door Corporation PowerGuard Premium powder coat finishes, (or Approved Equal).
3. Hood and operator fully recessed above ceiling.
- F. Aluminum Framed Entrances and Storefronts.

1. Provide the following in accordance with AAMA SFM-1 Aluminum Storefront and Entrance Manual
  - a. Entrance doors.
    - (1) Operation: Single acting swinging.
    - (2) Construction: Wide stile and rail.
    - (3) Nose: Beveled.
    - (4) Frequency of use: Greater than 1500 cycles / day.
    - (5) Type of traffic: Abusive.
    - (6) Basis of Design: Efc0 D518, (Or Approved Equal)
      - (a) Thickness: 2"
      - (b) Head rail and stiles: 5" face.
      - (c) Bottom rail: 12" face.
      - (d) Primary portions of door members: .125" wall thickness.
      - (e) Corner construction: Concealed reinforcement brackets with screws and welded.
      - (f) Hinge reinforcement: 12 gauge steel, full height of hinge stile.
  - b. Frames and framing.
    - (1) Horizontal Deflection: 1/240 maximum.
    - (2) Glazed from the outside.
    - (3) Basis of design: Efc0 403X, (Or Approved Equal).
      - (a) Dimensions: 2" face x 4-1/2" depth.
      - (b) Primary portions of framing members: .080" wall thickness.
      - (c) Hinge reinforcement: 12 gauge steel, full height of jamb.
  - c. Glazing.
    - (1) Method: Dry.
    - (2) Snap-in aluminum glazing stops: .050" minimum wall thickness.
  - d. Hardware integral to frame.
    - (1) Head and jamb gasketing.
      - (a) Replaceable thermoplastic elastomer gasket.
      - (b) Adhesive applied gaskets are not acceptable.
      - (c) Magnetic gaskets are not acceptable.
  - e. Exposed finish: AAMA 2605, fluorocarbon polymer, to match PPG UC106663UF Sunstorm Renaissance Silver, (Or Approved Equal).
  - f. Match the configuration, member and framing dimensions of the exterior aluminum framed entrances and storefronts.

G. Door Hardware.

1. Provide finishes in accordance with ANSI / BHMA A156.18 Materials and Finishes.
2. Provide the following in accordance with ANSI / BHMA A156.1 Standard for Butts and Hinges.
  - a. Butt hinges.
    - (1) Type A5111: Stainless steel, full mortise, anti-friction bearing, grade 1 (heavy weight).
    - (2) Hinge height: 4-1/2"
    - (3) Where the barrel of a hinge is located on the un-secure side of controlled access openings provide non-removable pins.
    - (4) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (5) Basis of design: McKinney T4B3386, (Or Approved Equal)
      - (a) 5 knuckles.
      - (b) Ball bearing.
    - (6) Select butt hinges to permit doors to swing freely to the interior stop.
3. Provide the following in accordance with ANSI / BHMA A156.3 Standard for Exit Devices.
  - a. Exit device:
    - (1) Type 1, rim exit device, push-pad.
    - (2) Grade 1.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of Design: Sargent 8800 Series, (Or Approved Equal).
      - (a) Mortise strike.
      - (b) Decorative pull: 862.
      - (c) ET trim, J lever.
    - (5) Where a security indicator is scheduled the locked / unlocked status of the device shall be clearly displayed on the secure side of the opening.
  - b. Removable mullion.
    - (1) Type 22, removable mullion.
    - (2) Basis of Design: Sargent L980S, (Or Approved Equal).
      - (a) Lockable.
      - (b) Steel.
      - (c) Factory applied prime finish, paint to match frame.
    - (3) Where electrified hardware is located in a removable center mullion basis of design: Sargent EL980S.

- (a) Lockable.
  - (b) Steel.
  - (c) Factory installed quick connect wiring.
  - (d) Factory applied prime finish, paint to match frame.
4. Provide the following in accordance with ANSI / BHMA A156.4 Door Controls - Closers.
- a. Door Closer.
    - (1) Type C02021: Overhead surface mounted to door, modern type with cover, parallel arm mounting, grade 1.
    - (2) Where a holder arm is scheduled type C02061: Overhead surface mounted to door, modern type with cover, holder parallel arm mounting, grade 1.
    - (3) Exposed finish: BHMA 689 (US28), aluminum painted.
    - (4) Basis of Design: LCN 4040XP series, (Or Approved Equal).
      - (a) Cast iron cylinder, non-sized.
      - (b) Forged steel piston.
      - (c) All weather fluid.
      - (d) Adjustable spring sizes.
      - (e) Adjustable hydraulic back-check.
      - (f) Separately adjustable closing and latching speeds.
      - (g) Time adjustable delayed closing.
      - (h) Powder coated metal cover.
    - (5) Do not use concealed overhead type, floor mounted type, or spring hinges.
    - (6) Size closer for door weight to close and latch door despite drafts and wind.
    - (7) Configure closers to permit doors to swing freely to the interior stop.
5. Provide the following in accordance with ANSI / BHMA A156.5 Standard for Cylinders and Input Devices for Locks
- a. Mortise cylinders.
    - (1) Type E09251: Mortise interchangeable core housing, grade 1.
    - (2) Small format interchangeable cores.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Sargent 40 series, (Or Approved Equal).
      - (a) Stainless steel cap and cylinder guard.
  - b. Rim cylinders.
    - (1) Type E09261: Rim interchangeable core housing, grade 1.
    - (2) Small format interchangeable cores.



- (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
- (4) Basis of design: Sargent 34 series, (Or Approved Equal).
  - (a) Stainless steel cap and cylinder guard.
- c. Thumb-turn.
  - (1) Exposed finish: BHMA 630 (US32D), satin stainless steel.
  - (2) Basis of design: Sargent 124 series, (Or Approved Equal).
    - (a) Brass housing.
    - (b) Stainless steel cap and cylinder guard.
6. Provide the following in accordance with ANSI / BHMA A156.6 Architectural Door Trim.
  - a. Door protection plates.
    - (1) Armor plates.
      - (a) Type J101: Metal armor plate.
      - (b) 30" high x 2" less than the door opening width.
    - (2) Kick plates.
      - (a) Type J102: Metal kick plate
      - (b) 10" high x 2" less than the door opening width.
    - (3) Mop plates
      - (a) Type J103: Metal mop plate.
      - (b) 6" high x 2" less than the door opening width.
    - (4) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (5) Beveled edges.
    - (6) Where both armor or kick and mop plates are scheduled if on the push side of the door provide armor or kick plates.
7. Provide the following in accordance with ANSI / BHMA A156.08 Door Controls - Overhead Stops and Holders.
  - a. Overhead stop with holder.
    - (1) Type: C53511: Stainless steel, overhead surface jointed arm, stop and holder, grade 1.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Glynn-Johnson 81H, (Or Approved Equal).
  - b. Overhead stop.
    - (1) Type: C53541: Stainless steel, overhead surface jointed arm, stop only, grade 1.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Glynn-Johnson 81S, (Or Approved Equal).

8. Provide the following in accordance with ANSI / BHMA A156.13 American National Standard for Mortise Locks and Latches.
  - a. Mortise lockset.
    - (1) Operational grade 1.
    - (2) Security grade 1.
    - (3) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (4) Basis of design: Sargent 8200 Series, (Or Approved Equal).
      - (a) Lever: J
      - (b) Rose: L
      - (c) Where cylinders or thumb-turns are scheduled provide escutcheon: LW1.
9. Provide the following in accordance with ANSI/BHMA A156.15 Release Devices - Closer Holder, Electromagnetic and Electromechanical.
  - a. Electromagnetic release.
    - (1) Type C00011: Wall mounted, grade 1.
    - (2) Exposed finish BHMA 689 (US28) aluminum painted.
    - (3) Basis of design: Rixson 994M, (Or Approved Equal).
      - (a) Flush mount.
10. Provide the following in accordance with ANSI / BHMA A156.16 Auxiliary Hardware.
  - a. Interior door stops.
    - (1) Wall stop.
      - (a) Type L32011: Aluminum, wall type bumper, 3-1/2" projection, grade 1.
      - (b) Exposed finish: BHMA 628 (US28), satin aluminum.
      - (c) Basis of design: Ives 443, (Or Approved Equal).
        - (i) Replaceable non-marring bumper
    - (2) Floor stop
      - (a) Type L32131: Aluminum, floor type bumper, grade 1.
      - (b) Exposed finish: BHMA 628 (US28), satin aluminum.
      - (c) Basis of design: Ives FS444, (Or Approved Equal).
        - (ii) Replaceable non-marring bumper
    - (3) Provide wall stops wherever feasible.
      - (a) Provide solid blocking where wall type bumpers are installed on plaster or gypsum board interior partitions.
      - (b) Where the installation of a wall type bumper is infeasible provide an overhead stop.

- (c) Floor type bumpers may be provided only when specifically approved by the Authority.
  - b. Garment hooks.
    - (1) Type L03111: Coat hook, grade 1.
    - (2) Exposed finish: BHMA 626 (US26D) satin chrome plated.
    - (3) Basis of design: Rockwell 802, (Or Approved Equal).
  - c. Door silencers.
    - (1) Type L03011: Push-in, for metal frames.
    - (2) Basis of design: Rockwood 608-RKW, (Or Approved Equal).
    - (3) Adhesive applied silencers are not acceptable.
    - (4) Provide 3 silencers at the strike jambs.
  - d. Lever extension flush bolts.
    - (1) Type: L04081: For ANSI preparation, grade 1.
    - (2) Exposed finish: BHMA 626 (US26D) satin chrome plated.
    - (3) Basis of design: Rockwood 550, (Or Approved Equal).
      - (a) Adjustable bolt.
      - (b) Bolt tip: ½” diameter
      - (c) Bolt throw: ¾”
    - (4) Provide in pairs, at head and bottom of door.
      - (a) Provide bolt at bottom of door with a dustproof strike.
- 11. Provide the following in accordance with ANSI / BHMA A156.22 Door Gasketing and Edge Seal Systems.
  - a. Where gasketing is required.
    - (1) Type R3G164: Aluminum retainer, thermoplastic elastomer gasketing, head and jamb type, frame soffit applied, smoke rated.
    - (2) Slotted holes for adjustment.
    - (3) Exposed finish: BHMA 628 (US28) satin clear anodized.
    - (4) Basis of design: Pemko 29310CPK, (Or Approved Equal).
      - (b) Concealed mounting screws.
      - (c) Replaceable gasket.
    - (5) Adhesive applied gasketing is not acceptable.
    - (6) Magnetic gasketing is not acceptable.
  - b. Where automatic door bottoms are required.
    - (1) Type R3G322: Aluminum retainer, thermoplastic elastomer gasketing, automatic door bottom, door edge mortise, smoke and / or acoustically rated,

- (2) Exposed finish: Mill finished aluminum,
- (3) Basis of design: Pemko 411APK, (Or Approved Equal).
- c. Astragals
  - (1) Type R3G636: Aluminum retainer, thermoplastic elastomer gasketing, overlapping astragal, door face applied, not rated.
  - (2) Exposed finish: BHMA 628 (US28) satin clear anodized.
  - (3) Basis of Design: Pemko 355CPK, (Or Approved Equal).
- 12. Provide the following in accordance with ANSI / BHMA A156.25 Electrified Locking Devices.
  - a. Electrified exit device.
    - (1) Type N2-A156.3- G1-E02, E04: Full indoor, low voltage, exit device, grade 1, with latch position switch, electric latch retraction.
      - (a) Where doors are electronically held open provide E02, latch position switch.
    - (2) Exposed finish and basis of design: See exit devices.
  - b. Electrified mortise lockset.
    - (1) Type N2- A156.13-G1- E06: Full indoor, low voltage, mortise lock or latch, grade 1, with latch position switch, electronic unlocking (fail secure).
      - (a) Where doors are electronically held open provide E02, latch position switch.
    - (2) Exposed finish and basis of design: See mortise locksets.
- 13. Provide the following in accordance with ANSI/BHMA A156.26 Continuous Hinges.
  - a. Continuous hinges.
    - (1) Type A51021B: Stainless steel, edge mounted, 300#, grade 1, barrel hinge.
    - (2) Exposed finish: BHMA 630 (US32D), satin stainless steel.
    - (3) Basis of design: Markar FM 300, (Or Approved Equal).
- 14. Mechanical keying shall be in accordance with ANSI/BHMA A156.28 Standard for Recommended Practices for Mechanical Keying Systems.
  - a. Local system: Unique in nation, 3 levels, with selective master keys, and integrated into the District-wide system.
  - b. Duplication: Key blanks and key making restricted to the District.
- 15. Power supplies for electronic hardware shall be in accordance with ANSI/BHMA A156.35 Power Supplies for Electronic Access Control.
- 2. Hinge guards.
  - a. Basis of Design: FingerSafe USA, (Or Approved Equal).
    - (1) Push side: MK1-A
      - (a) Replaceable PVC accordion panels with thermoplastic elastomer hinges.
    - (2) Pull side: MK1-B

(a) PVC with thermoplastic elastomer hinges.

16. Latch guards.

- a. Exposed finish: BHMA 630 (US32D), satin stainless steel.
- b. Basis of design: Ives LG10
  - (1) 9-1/2" minimum high.
  - (2) 13 gauge stainless steel.
  - (3) No exposed fasteners on face of unit.

17. Marble thresholds.

- a. Natural marble.
- b. Hollywood beveled.

H. Interior Glass Glazing.

- 1. Interior glass glazing shall be fully tempered, laminated, or ceramic glass.
- 2. Plastic glazing is not acceptable.

I. Security Glazing shall be in accordance with section C1000.00 Interior Construction.

J. Door louvers.

- 1. Where required provide door louvers in accordance with SDI-111C Recommended Louver Details for Standard Steel Doors.
  - a. Insert type.
  - b. Weld louver blades to the frame.
  - c. Primed and painted to match the door.

### **III. METHODS OF CONSTRUCTION.**

A. Interior Door Schedule.

- 1. The Interior Door Schedule provides only the level of detail necessary to assign certain common design criteria to a group of interior doors and does not represent a complete design. Provide those additional elements necessary to adapt a mark to a specific interior door, achieve the scheduled operation, meet other performance criteria or conform to code.

B. Hardware Preparation.

- 1. Prepare hollow metal doors and frames for hardware in accordance with ANSI / BHMA A156.115 Hardware Preparation in Steel Doors or Steel Frames.
- 2. Prepare wood doors and hollow metal frames for hardware in accordance with ANSI / BHMA A156.115W Hardware Preparation in Wood Doors with Wood or Steel Frames.

**END OF SECTION C1030.00**



Advancing Our Client's Vision  
**IMPROVING OUR WORLD**

## Remediation Responsibilities Plan (RRP) Report

### **Union City New Grade 7 to 9 School**

36th Street, 37th Street & 38th Street

Block 218, Lots 15, 16, 17, 44, 45;

Block 219, Lots 22-24, 35-37

Union City, Hudson County, New Jersey

PI Number: 772240

NJDEP Case No. 18-02-09-1547-01



### **NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY**

32 East Front Street

P.O. Box 991

Trenton, NJ 08625

March 7, 2022  
FPA No. 8905.015



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## DRAWINGS

Drawing No. 1 – Remedial Action Workplan

## 1.0 INTRODUCTION

The New Jersey Schools Development Authority (NJSDA) intends to retain a Design-Builder Contractor to design and construct the proposed Union City New Grade 7 to 9 School (the “School”), located in Union City, Hudson County, New Jersey. The Site on which the School is to be constructed upon is currently in the New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program (SRP) due to the presence of Areas of Concern (AOCs) that contain compounds in soil and groundwater in excess of applicable remediation standards. Based on investigations performed by French & Parrello Associates (FPA) excavated materials and groundwater (if encountered during dewatering activities) require off-site transportation and disposal in accordance with local, state, and federal requirements.

FPA has prepared this Remediation Responsibilities Plan (RRP) to provide guidance for the remediation activities to be performed on behalf of the NJSDA by the Design-Builder in support of the construction of the School. This RRP is intended to inform a prospective Design-Builder and its environmental consultant with respect to the environmental remediation project requirements, as well as to define roles and responsibilities of the NJSDA, Licensed Site Remediation Professional (LSRP), Design-Builder and its environmental consultant.

Environmental closure of this project will be completed under the NJDEP's LSRP program established on May 7, 2009, by the Site Remediation Reform Act (SRRA), P.L. 2009 C. 60. In addition to SRRA, the Project will be performed in accordance with the Technical Requirements for Site Remediation (TRSR), N.J.A.C. 7:26E (last amended August 2018), and applicable guidance documents including, but not limited to, SRP Historic Fill Material Technical Guidance (Version 2.0, April 29, 2013), Fill Material Guidance for SRP Sites (Version 4.0, October 2021), the Technical Guidance for Investigating Child Care Center and Educational Facilities (February 2017), the SRP Presumptive and Alternative Remedy Technical Guidance (Version 2.1, February 2018), and the administrative Guidance Document regarding Environmental Remediation Undertaken by the NJSDA (May 1, 2017).



Due to the relatively shallow bedrock, and the desire to deliver the project to the Union City School District without an environmental restriction (e.g., deed notice), the entirety of the materials overlying the bedrock shall be excavated, managed, and disposed off-site in accordance with applicable local, state, and federal requirements. The materials overlying the bedrock may include unsuitable geotechnical soils, concrete slabs/foundations and demolition debris associated with former residential construction under the parking lots on Block 218, Lot 17 and Block 219, Lots 22-24 & 35-37; and historic fill and native soils – all of which may contain compounds in excess of remediation standards consistent with those found in historic fill material.

Within the materials overlying the bedrock are four remaining AOCs identified as AOC-1: Approximate 75-SF Area of Petroleum-Impacted Soils related to a 1,000-gallon No. 2 Fuel Oil UST, AOC-7: Historic Fill Material, AOC-8: Approximate 900-SF Area of Petroleum-Impacted Materials, and AOC-9: Approximate 50-SF Area of Petroleum-Impacted Soils related to a 1,000-gallon No.2 Fuel Oil UST. The four AOCs are depicted on Drawing No. 1 – Remedial Action Workplan. Because this Site is subject to SRRRA requirements, documentation of all remedial activities performed by the Design-Builder for these four AOCs is required. This includes documentation of the remedial work, providing all properly executed waste manifests and bills of lading related to transportation and disposal activities, and documentation of imported clean fill materials.

The Design-Builder will be responsible for the excavation, management, and disposal of all material down to bedrock, as well as the lawful management of accumulated water and/or encountered groundwater necessary for construction dewatering and Site work. The Design-Builder shall facilitate the collection of remedial action verification sampling following the excavation activities, which will be performed by the NJSDA's LSRP. The NJSDA's LSRP will provide oversight of the Design-Builder during the implementation of remedial actions and will be responsible for coordinating with the Design-Builder and its environmental consultant to document that the remedial actions satisfy NJDEP requirements.

Upon removal of the materials overlying the bedrock, the Design-Builder shall import and place clean structural fill material to support the new construction.

## **2.0 SITE HISTORY AND BACKGROUND**

The Site is comprised of two separate tracts of land identified as Block 218, Lots 15, 16, 17, 44 & 45 and Block 219, Lots 22-24 & 35-37 in Union City, Hudson County, New Jersey. Block 218, Lot 17 and Block 219 Lots 22-24 & 35-37 are asphalt paved parking lots currently owned by the Union City Parking Authority (UCPA) with the remaining four lots (Block 218, Lots 15, 16, 44 & 45) being owned by the NJSDA. The Site encompasses approximately 1.23 acres in a primarily residential use area and has frontage on 36<sup>th</sup> Street, 37<sup>th</sup> Street and 38<sup>th</sup> Streets. Historically the asphalt paved parking lots (Block 218, Lot 17 and Block 219, Lots 22-24 & 35-37) contained numerous residential dwellings and light commercial use structures that were razed in-place circa 1970 and paved over to create the parking areas that are currently present. The Design-Builder is advised that investigations have revealed the presence of historic fill material, unsuitable geotechnical soils, and foundations and debris associated with former structures below the parking lots on Block 218, Lot 17 and Block 219, Lots 22-24 & 35-37. A drawing presenting the findings of subsurface investigations and depicting the location of soil borings and test pits is provided within the Geotechnical Report.

The NJSDA-owned lots (Block 218, Lots 15, 16, 44 & 45) consist of residential dwellings and a single-story concrete block garage structure, which are currently the subject of abatement and demolition activities. Once all of the above ground structures are demolished, and foundations and utilities removed, the NJSDA-owned lots will be regraded, stabilized with clean stone, and fenced with temporary fencing. The remainder of the Subject Property (Block 218, Lot 17, Block 219, Lots 22-24, and Lots 35-37) consists of asphalt paved parking lots.

Historic fill is documented throughout the majority of the Site and was found to contain polycyclic aromatic hydrocarbons (PAHs) and select metals above residential soil remediation standards. A limited groundwater investigation was performed at AOC-1 utilizing a temporary well point

(TWP). The groundwater was found to contain trace-levels of volatile organic tentatively identified compounds (VO TICs), semi-volatile organic TICs, 2-methylnaphthalene, and benzo(a)anthracene above the NJDEP Class IIA Groundwater Quality Criteria (GWQC-IIA). Further, the overburden groundwater shall be assumed to contain PAHs and metals in excess of the GWQC-IIA. Management and disposal of dewatering water shall be in accordance with Section G1070.00 Site Earthwork Specifications.

The TWP was found to contain the following compounds above the respective Groundwater Quality Criteria:

- Total VOC Tentatively Identified Compounds (TICs) = 751.5 ug/L
- Bis(2-ethylhexyl) phthalate = 4.5 ug/L
- 2-methylnaphthalene = 78 ug/L
- Benzo(a)anthracene = 0.26 ug/L
- Total SVOC TICs = 1,150.7 ug/L

Proposed Remedial Actions for the Design-Builder include the removal of an approximate 900 square foot area of petroleum impacted soils (AOC-8), and the removal of all subsurface material down to bedrock at the Site to secure an unrestricted use designation for the new School (i.e., no engineering control required). The excavation and disposal of petroleum impacted soils measuring approximately 75 square feet associated with a former UST (AOC-1) and the excavation and disposal of petroleum impacted soils measuring approximately 50 square feet associated with a former UST (AOC-9) is also required. Remedial action verification sampling will be completed by the NJSDA's LSRP to confirm the removal of petroleum impacted soils, as required by the N.J.A.C. 7:26E (Technical Requirements for Site Remediation).

### **3.0 PROJECT ROLES AND RESPONSIBILITIES**

#### **3.1 NJSDA's Licensed Site Remediation Professional (LSRP)**

The NJSDA's LSRP is responsible for providing LSRP oversight of the remedial actions conducted at the Site by the Design-Builder, and for coordination and cooperation with the Design-Builder and Design-Builder's environmental consultant. The NJSDA's LSRP will review the plans,

specifications, environmental related shop drawings, as-built diagrams and other submissions prepared by the Design-Builder within the context of NJDEP regulations and guidance as referenced herein to ensure the proposed remedial actions meet the requirements of NJDEP and this RRP. During construction, the NJSDA's LSRP will review and document the performance of the Design-Builder with respect to the remediation, inclusive of plans, specifications, as-built diagrams, and other submissions related to the remedial actions. The NJSDA's LSRP is responsible for confirming that the environmental remediation work being conducted by the Design-Builder is consistent with the project and NJDEP requirements. Should the work not be consistent with the project or NJDEP requirements, the NJSDA's LSRP will notify the Design-Builder and NJSDA immediately so that issues can be resolved. The NJSDA's LSRP will be responsible for coordinating activities with the Design-Builder's environmental and site civil consultants and will keep the NJSDA Project Manager apprised of the environmental work performed. Environmental consultants working at the same firm and under the direction of the NJSDA's LSRP will provide oversight and monitoring in order to document the completion of the tasks described below in accordance with the NJDEP requirements and guidance.

### **3.2 Design Builder**

The Design-Builder is responsible for designing and conducting all remedial actions related to AOCs 1, 7, 8, and 9 according to the contract documents that are necessary to build the School in accordance with all applicable federal, state, and local laws, regulations, guidance and this RRP and for ensuring the production of all documentation necessary for the NJSDA's LSRP to approve the completed remedial actions, as described herein. The Design-Builder shall provide regularly scheduled updates to the NJSDA's LSRP so that the latter can perform its duties. The Design-Builder shall respond to issues raised by the NJSDA's LSRP and shall provide all documentation necessary for the NJSDA's LSRP to approve proposed and completed remedial actions.

### **3.3 Design Builder's Environmental Consultant**

The work described in this RRP requires the coordination of various entities to ensure remedial actions are successful. The Design-Builder is responsible for retaining a qualified site

environmental consultant familiar with the management of potentially-impacted materials (soil, fill, building debris, concrete, masonry, etc.) that may contain compounds in excess of remediation standards, including potentially impacted groundwater.

#### **4.0 DESIGN-BUILDER CONTRACTOR SUBMITTALS**

Specific design requirements must be met by the Design-Builder in association with the implementation of the remedial action on the Site, in compliance with the regulations and guidance documents referenced in previous sections of this RRP. As required by the contract documents, the Design-Builder is responsible for the preparation and submission of the following deliverable in addition to any design documents:

- **Soil Erosion and Sedimentation Control Plan**
- **Health and Safety Plan**
- **Materials Management Plan**
- **Construction Dewatering Plan (As Required)**
- **Plans and Specifications for:**
  - **Passive Sub-Slab Depressurization System and Chemical Vapor Barrier**
- **Quality Assurance and Quality Control Plan**
- **Remedial Action As-Built Documentation (As Required to satisfy NJDEP)**

These submittals shall be made available for review and approval by NJSDA and its environmental consultant prior to the advancement of any remedial activities, and are discussed in further detail below:

#### **4.1 Health and Safety Plan**

The Design-Builder shall develop a site-specific Health and Safety Plan (HASP) for all work to be conducted under this RRP by its employees. The Design-Builder's HASP shall be prepared for its employees based on the requirements of 29 CFR 1926 (Construction Standard), 29 CFR 1910.120

Hazardous Waste Site Operations), and the NJSDA Safety Manual. The Design-Builder shall prepare the HASP prior to implementation of remediation and/or Site work and submit it to the NJSDA and the LSRP for review and comment. The NJSDA's LSRP may review the HASP and provide comments to the NJSDA for distribution to the Design-Builder for inclusion and finalization of the document. The Design-Builder will require any subcontractor whose employees may come into contact with historic fill material or other potentially impacted media to adhere to a HASP for its employees. The Design-Builder is required to demonstrate that its subcontractors have an appropriate HASP in place for work performed by them.

## **4.2 Material Management Plan**

The Design-Builder shall prepare and submit for review and approval, a Materials Management Plan (MMP) that describes the methods and procedures for handling and managing all excavated materials at the site. The MMP shall also comply with the most recent versions of: N.J.A.C. 7:26E Technical Requirements for Site Remediation, N.J.A.C. 7:26C Administrative Requirements for the Remediation of Contaminated Sites, NJDEP Fill Material Guidance for SRP Sites. The plan shall provide for the excavation, on-site temporary storage (if proposed), reuse, regrading, classification, loading, transportation, and off-site disposal of unsuitable soils and/or historic fill material, groundwater and any other regulated or non-regulated material to be encountered. Exportation and importation of materials shall be in conformance with Section 5.12 of the Design-Builder Agreement. The MMP shall also include dust suppression methods and monitoring during the disturbance of historic fill material or other potentially contaminated soil.

Based on previous sampling, excavated materials from the Site requiring disposal are expected to be classified as non-hazardous waste; however, it will be the responsibility of the Design-Builder to perform necessary waste classification as required by the Design-Builder's disposal facility. The Design-Builder is responsible for all analytical testing and securing approvals for disposal of all exported materials during the Design-Build Phase of the project. All proposed disposal and/or beneficial reuse facilities must be approved by the NJSDA's LSRP in writing prior to export.

The MMP shall provide for sampling, analyses, and use of proposed imported fill materials, including those materials used for any temporary tracking pads, and engineering controls if required. Analytical results of materials proposed for import shall be provided to the NJSDA, and the NJSDA's LSRP prior to import to the Site. In no case shall recycled concrete aggregate (RCA) be imported to the Site.

Following the completion of the demolition phase, the NJSDA-owned lots will be delivered according to the Anticipated Site Conditions Plan. A layer of clean quarried stone (approximately 4-inches thick) will be spread across the NJSDA-owned lots. This quarried stone may be suitable for re-use if the material meets the site's geotechnical specifications. It shall be noted, however, that if the Design-Builder elects to not re-use the clean quarried stone, and deems the material to be excess fill, testing and exportation of this fill material shall be performed according to the requirements of the Design-Build Agreement. The Design-Builder is responsible for the proper management of all excavated materials, including any offsite disposal of excess materials.

### **4.3 Plans and Specifications**

The Design-Builder shall develop plans and specifications associated with the removal and management of materials that may be found to contain compounds in excess of residential soil remediation standards, including the management of water according to local, state, and federal regulations. The Design-Builder shall submit the plans and specifications to the NJSDA for review and approval.

### **4.4 Quality Assurance and Quality Control**

The work detailed in this RRP shall be conducted under the provisions of a Quality Assurance and Quality Control (QA/QC) Plan. The Design-Builder shall develop the QA/QC Plan for all aspects of the remedial action including waste classification sampling and testing requirements, documentation and record keeping requirements, field instrument and calibration requirements, and so forth.

## **4.5 Remedial Action Documents**

The Design-Builder will provide documentation regarding completed remedial actions to the NJSDA for review and approval. This will include but is not limited to; hazardous and/or non-hazardous waste manifests and bills of lading, as appropriate for impacted material disposal, weight tickets for clean fill material, as-built diagrams, testing and inspection reports, and any other documentation necessary to support an unrestricted use Site determination. At a minimum, the following as-built diagrams will be required:

- Passive Sub-Slab Depressurization System with Chemical Vapor Barrier- the drawing or set of drawings will be prepared by a New Jersey Professional Land Surveyor or Professional Engineer and will depict the actual locations and construction of the system as installed at the site.

## **5.0 PROPOSED REMEDIAL ACTIONS**

This RRP outlines the remedial actions that are anticipated to be required to complete construction of the new school. Remedial actions are required for three (3) AOCs identified as AOC-1: Approximate 75 SF Area of Petroleum-Impacted Soils related to a 1,000-gallon No. 2 Fuel Oil UST, AOC-7: Historic Fill Material, and AOC-8: Approximate 900 SF Area of Petroleum-Impacted Materials. The remedial action selected for each AOC is the excavation and off-site disposal of impacted soils. The excavations will be restored with certified clean fill material to support an unrestricted use. The specific locations and dimensions of the excavation for each AOC is detailed further in the following section and presented on Drawing No. 1 – Remedial Action Workplan. In all cases and for all activities, the requirements of the RRP will govern the remedial actions performed.

### **5.1 Excavation of Material**

As previously indicated, remedial actions at the Site consists of the excavation and disposal of impacted soils, associated three (3) AOCs:



- **AOC-1: Approximate 75-SF Area of Petroleum-Impacted Soils related to a 1,000-gallon No. 2 Fuel Oil UST** – during the Site demolition activities, a 1,000-gallon No. 2 Fuel Oil UST was removed from the Site. During removal activities, evidence of a discharge to the surrounding soils was observed. An initial remedial action was performed that included the excavation and disposal of approximately 20 tons of petroleum impacted soils. Post-excavation soil sample analytical results indicate that additional excavation is required at this AOC. The anticipated excavation boundary measures 10.5 feet by 7.0 feet based on the analytical results of the previously collected soil samples. The vertical depth of the excavation is estimated to be 8.0 feet below ground surface. The NJSDA’s LSRP will collect remedial action verification soil samples following the completion of excavation activities.
- **AOC-7: Historic Fill Material** – analytical results collected during previous site investigations have identified historic fill material containing PAHs and metals above the applicable residential soil remediation standards. The historical fill material is present throughout the majority of the project Site. To facilitate the delivery of the project to Union City without an environmental restriction, the entire site boundary shall be excavated down to bedrock with the intention of removing all historic fill material. The depth to bedrock is based on information provided in the geotechnical report. For bidding purposes, the Design Builder shall assume depth to bedrock is 8.0 feet on Block 218 Lots 15, 16, 44 & 45.
- **AOC-8: Approximate 900-SF Area of Petroleum-Impacted Materials** – one soil sample collected during previously completed investigations contained elevated petroleum hydrocarbons, which has been identified as AOC-8. This AOC is co-located within AOC-7 and located on the west side of Block 218, Lot 17. Delineation sampling has not been performed at AOC-8; however, the excavation dimensions are estimated at a maximum of 900-square feet to an average depth of 8-feet.
- **AOC-9: Approximate 50-SF Area of Petroleum-Impacted Soils related to a 1,000-gallon No. 2 Fuel Oil UST** – during the Site demolition activities, a 1,000-gallon No. 2 Fuel Oil UST was removed from the Site. UST closure soil sample analytical results indicate that remediation in the form of excavation and off-site disposal of soils is required at this AOC.

The anticipated excavation boundary measures 8.0 feet in length by 6.0 feet in width based on the analytical results of the previously collected soil samples. The vertical depth of the excavation is estimated to be 8.0 feet below ground surface. The NJSDA's LSRP will collect remedial action verification soil samples following the completion of excavation activities.

The Design Builder shall complete the required remedial actions at AOC-1, AOC-8, and AOC-9 prior to the commencement of remedial actions at AOC-7. The NJSDA's LSRP is required to collect remedial action verification soil samples from AOC-1, AOC-8, and AOC-9 to satisfy NJDEP requirements.

In summary, due to the shallow depth to diabase bedrock at the Site, and in consideration of the long history of previous residential site development, all materials shall be excavated to bedrock to accommodate the construction of the new school building, associated structures, and installation of underground utilities. Clean structural fill shall be imported as necessary to support the new construction. The intent is to establish an unrestricted use determination for the new school campus.

Materials excavated at the site may be temporarily stockpiled on site prior to shipment off site in a manner that does not affect the logistics of the Design-Builder. Stockpiles shall be secured and maintained in accordance with the provisions of the MMP with the following minimum requirements:

- The Design-Builder shall be responsible for preparing a Soil Erosion and Sediment Control Plan, obtaining approval of this plan from the Soil Conservation District having jurisdiction over the project
- Stockpiles shall be placed on firm, dry ground, free of litter and debris and away from drainage catch basins or swales.
- Stockpiles shall be staged and covered with impermeable plastic sheeting having a minimum thickness of 6 mils. All joints in the underlying sheeting should overlap by a

minimum of 1 foot of sheeting. The plastic sheeting shall be maintained to prevent rainwater from coming in contact with the soil.

- The plastic sheeting shall be secured with tie downs and/or heavy objects such as concrete blocks to protect the sheeting and stockpile against wind erosion. Stockpiles shall be surrounded by straw bales placed continuously along the stockpile as a soil erosion and sediment control measure. Silt fencing shall be used as a secondary erosion control barrier for any stockpile.
- Stockpiles shall be covered at the end of each work-day and remain covered during adverse weather conditions such as rain or high winds. Stockpile covers, and erosion control measures shall be maintained, repaired, or replaced, as needed, for the duration of stockpile existence.

## **5.2 Waste Classification**

Excavated materials at the site are not expected to be characterized as a regulated hazardous waste under the Resource Conservation and Recovery Act (RCRA). However, the Design-Builder shall be responsible for obtaining all necessary approvals from proposed disposal and beneficial reuse facilities according to the Design-Builder Agreement. This includes the conduct of sampling and analysis for facility approval in accordance with the selected facility's requirements. All waste classification sampling shall be performed in accordance with the Design-Builder's QA/QC Plan, the Technical Requirements for Site Remediation (N.J.A.C. 7:26E) and applicable NJDEP guidance. Analytical results for all samples collected at the site, including waste classification samples, shall be provided with sample location drawings to the NJSDA and the LSRP for review. Previous soil investigations on site have identified historic fill overlying native soils at varied depths generally ranging from 0 to 8 feet below grade. Analysis of historic fill and native soils have indicated that select metals, PAHs and Petroleum Hydrocarbons exceed one or more NJDEP Soil Remediation Standards. The range of these exceedances are listed below:

- Benzo[a]anthracene: 1.0 to 1.8 milligrams per kilogram (mg/kg)
- Benzo[a]pyrene: 0.91 - 1.7 mg/kg
- Benzo[b]fluoranthene: 0.85 – 2.2 mg/kg

- 2-methylnaphthalene: 0.034 mg/kg – 83 mg/kg
- Antimony = ND - 6.18 mg/kg
- Lead: 107 – 1,220 mg/kg
- Mercury: 0.5 - 2.8 mg/kg
- Petroleum Hydrocarbons: AOC-1 (86.8 mg/kg - 8,400 mg/kg) AOC-8 (12,500 mg/kg), AOC-9 (10,200 mg/kg)

### **5.3 Material Handling, Transportation, and Export**

The Design-Builder shall provide proof of material acceptance by the proposed disposal or beneficial use receiving facility to the NJSDA and the LSRP for approval prior to material export. The Design-Builder shall conduct all material handling and transportation in accordance with the requirements of the MMP, which shall include best management practices. These practices shall include the prevention of spillage and leakage during the loading and transportation of materials, and implementation of dust control measures.

All material shipments shall be conducted by NJDEP-licensed transporter vehicles with a bill of lading or a manifest for each truckload. Copies of the signed manifests, bills of lading, and/or hazardous waste manifests must be kept by the Design-Builder with copies of all provided to NJSDA and the LSRP for reporting purposes.

All construction equipment and tools that are exposed to potentially contaminated materials shall be decontaminated prior to leaving the site. Equipment and personnel decontamination areas will be established and maintained by the Design-Builder. Decontamination procedures for personnel, heavy equipment, and sampling equipment, as well as a discussion of personnel protective equipment, shall be provided by the Design-Builder in the site-specific HASP.

### **5.4 Chemical Vapor Barrier and Passive Sub-Slab Depressurization System**

The Project includes the design and installation of a unified sub-slab depressurization system suitable for conversion to an active system, designed and installed in accordance with N.J.A.C. 7:26E-5.3 and NJDEP’s most recent Vapor Intrusion Technical Guidance. The passive sub-slab

depressurization system shall include roughed-in electrical to facilitate the possible future conversion to an active system. The chemical vapor barrier and passive sub-slab depressurization system design and installation specification documents shall be submitted to NJSDA and the NJSDA's LSRP for approval prior to construction. Likewise, as-built drawings shall be submitted to NJSDA and the NJSDA's LSRP for approval.

## **5.5 Contaminated Groundwater Management**

Based on investigations completed to date, overburden groundwater may be encountered during excavation and construction activities. If groundwater is encountered in excavations, the Design-Builder will be responsible for providing the appropriate equipment and means to manage water during construction activities. This may include the permitting, installation, operation, testing, disposal, cleaning and removal of any dewatering and treatment equipment and groundwater disposal, as necessary in compliance with applicable local, state, and federal regulations.

## **6.0 REMEDIAL ACTION REPORTING**

Upon the conclusion of the second phase of remedial activities, a Remedial Action Report (RAR) will be prepared and submitted to the NJDEP by the LSRP. The RAR will include a summary of the remedial activities in both the first and second phases of this project, as defined herein and tabulated data and figures presenting the results of the field activities including: excavation limits, depths and quantities, remedial action verification sample results; field screening results; waste characterization data; and transportation and disposal documentation. Upon completion and submission of the RAR, the LSRP will issue an Unrestricted Use, Entire site Response Action Outcome (RAO-E).

## **7.0 PRINCIPAL PROJECT PERSONNEL**

The following table presents the principal project personnel that will implement this RRP:

<b>Personnel Name</b>	<b>Personnel Designation</b>	<b>Responsibility</b>	<b>Contact Number</b>
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Andrew Oakley (NJSDA)	Program Director	NJSDA's Person Responsible for Conducting the Remediation	(609) 943-5955
Ron Carper (NJSDA)	Program Operations	NJSDA's Environmental Representative	(609) 585-5375
TBD	Construction Management Firm Representative	TBD	TBD
TBD	Design-Builder Project Manager	TBD	TBD
TBD	Design-Builder Site Superintendent/Site Environmental Consultant	TBD	TBD
TBD	Design-Builder Construction Inspector	TBD	TBD
Neiel P. Jiorle (FPA)	NJSDA's LSRP	Environmental Oversight/Direction/Supervision	(732) 312-9811

TBD – To be Determined.

## 8.0 DEFINITIONS

**As-built drawings** (or as-builts or record drawings) are a revised drawing or set of drawings submitted by the Design-Builder upon completion of the Project or a task within the project that reflect all changes made in the specifications and working drawings during the construction process and show the exact dimensions, geometry, and location of all elements of the work completed under the contract.

**Clean Fill** is material to be used in a remedial action that meets all NJDEP soil remediation standards, does not contain extraneous debris or solid waste, and does not contain free liquids. This also includes any material that meets all criteria or action levels for contaminants without standards, available on NJDEP's website at [www.nj.gov/dep/srp](http://www.nj.gov/dep/srp). This material can be soil or non-soil.

**Contaminated (or Impacted)** is all portions of environmental media and any location where contamination is emanating, or which has emanated there from, that contain one or more contaminants at a concentration above any remediation standard or screening criteria.

**Contamination (or Contaminant)** means any discharged hazardous substance as defined pursuant to N.J.S.A. 58:10-23.11 b, hazardous waste as defined pursuant to N.J.S.A. 13:1E-38, or pollutant as defined pursuant to N.J.S.A. 58:10-A-3.

**Deed Notice** is a document defined as such pursuant to the Administrative Requirements for the Remediation of Contaminated Sites, at N.J.A.C. 7:26C-1.3.

**Engineering Control** means any physical mechanism to contain or stabilize contamination or ensure the effectiveness of a remedial action. An engineering control may include, without limitation a cap, cover, building, dike, trench, leachate collection system, fence, physical access control, and groundwater containment system including, without limitation, a slurry wall, and a ground water pumping system.

**Geotextile Fabric** is a permeable fabric made of woven or non-woven (needle punch or heat bonded) polyester or polypropylene which, when used in association with soil, has the ability to separate, filter, reinforce, protect, or drain.

**Hazardous Material (or Hazardous Substance)** means all substances set forth in N.J.A.C. 7:1E-1.7.

**Hazardous Waste** means any hazardous as defined in the Hazardous Waste Rules at N.J.A.C. 7:26G.

**Historic Fill Material** means "non-indigenous material, deposited to raise the topographic elevation of the site, which was contaminated prior to emplacement, and is in no way connected with the operations at the location of emplacement and which includes, without limitation,

construction debris, dredge spoils, incinerator residue, demolition debris, fly ash, or nonhazardous solid waste. Historic fill material does not include any material that is substantially chromate chemical production waste or any other chemical production waste or waste from processing of metal or mineral ores, residues, slag, or tailings. In addition, historic fill material does not include a municipal solid waste landfill site."- N.J.A.C. 7:26E Technical Requirements for Site Remediation.

**Institutional Control** is a mechanism used to provide notice of residual contamination and therefore, the need to limit human activities at or near a contaminated site in order to ensure the effectiveness of the remedial action over time. Institutional controls may include, without limitation, structure, land, and natural resource use restrictions, well restriction areas, ground water classification exception areas, deed notices, and declarations of environmental restrictions.

**Licensed Site Remediation Professional (LSRP)** is an individual who has been issued a license pursuant to N.J.S.A. 58:10C-1 et seq.

**Quality Assurance** is the total integrated program for assuring the reliability of monitoring and measurement data, which includes a system for integrating the quality planning, quality assessment and quality improvement efforts to meet data end-use requirements.

**Quality Control** means the application of procedures for attaining prescribed standards of performance in the monitoring and measurement process.

**Visible Contamination Boundary Marker** means a demarcation that consists of a synthetic, durable material that can be easily seen when uncovered while digging.








***Drawings***

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**NOTE:**  
 -THE DESIGN BUILDER SHALL COMPLETE REMEDIAL ACTIONS AT AOC-1, AOC-8, AND AOC-9 PRIOR TO INITIATING EXCAVATION ACTIVITIES OF AOC-7.  
 -THE ENTIRE FOOTPRINT OF AOC-7 WILL BE EXCAVATED TO BEDROCK. REMEDIAL ACTION VERIFICATION SAMPLES FOR AOC-7 ARE NOT REQUIRED.

**Legend**

	AOC-1: Excavation Limits
	AOC-7: Excavation Limits
	AOC-8: Excavation Limits
	AOC-9: Excavation Limits
	Subject Property Boundary

**NOTE:**  
 THE AERIAL SHOWN WAS PROVIDED BY NEARMAP U.S. INC. AND TAKEN OCTOBER 2021.



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**UNION CITY NEW GRADE 7 TO 9 SCHOOL**  
 36TH, 37TH, & 38TH STREET, UNION CITY  
 HUDSON COUNTY, NEW JERSEY

**REMEDIATION ACTION WORKPLAN**

SCALE: 1" = 40'	BLOCK: 218; 219	LOT: 15, 16, 17, 44, 45, 22-24 & 35-37	DRAWING # <b>1</b>
DATE: 02/22/2022	DRAWN BY: T.M.	PROJECT NUMBER: 8005-015	

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EXTERIOR DOORS AND GRILLES											
MARK	LOCATION		CONFIGURATION	DOORS AND FRAMES			SUPPLEMENTARY COMPONENTS				COMMENTS
	EXTERIOR	INTERIOR		FRAME	GLAZING	HARDWARE	ACCESS CONTROL	INTRUSION DETECTION	OPERATION		
<b>EXTERIOR ENTRANCE DOORS</b>											
ED-01	OUTDOOR GROWING AREA (ROOFTOP)	ENVIRONMENTAL SCIENCE LAB	SINGLE SWINGING	ALUMINUM	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN G	EXTERIOR GLASS	BUTT HINGES MORTISE LOCKSET FUNCTION F07 WITH ELECTRONIC LOCKING AND UNLOCKING RAIN DRIP GASKETING DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	DOOR CONTACT	ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	PROVIDE AIR CURTAIN
ED-02	SERVICE AREA	RECEIVING	SINGLE SWINGING	ALUMINUM	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN V	EXTERIOR GLASS 1009G1	BUTT HINGES MORTISE LOCKSET FUNCTION F07 WITH ELECTRONIC LATCH RETRACTION RAIN DRIP GASKETING DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR VIDEO SECURITY COMMUNICATION SYSTEM DOOR STATION ACCESS CONTROL CREDENTIAL READER	DOOR CONTACT	ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY LOCKED VIDEO SECURITY COMMUNICATION SYSTEM DOOR STATION ANNOUNCES VISITOR TO MASTER STATION MASTER STATION TEMPORARILY UNLOCKS DOOR ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	PROVIDE AIR CURTAIN
ED-03	EXTERIOR	MAIN ENTRANCE VESTIBULE	MULTIPLE SWINGING	ALUMINUM STOREFRONT WITH REMOVABLE CENTER MULLIONS	ALUMINUM ENTRANCE FULLY GLAZED	EXTERIOR GLASS	GASKETING THRESHOLD ALL LEAF CONTINUOUS HINGE DOOR SWEEP EXTERIOR DECORATIVE PULL INTERIOR EXIT DEVICE FUNCTION 04 WITH ELECTRONIC LATCH RETRACTION CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR VIDEO SECURITY COMMUNICATION SYSTEM DOOR STATION ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT	ALL LEAFS ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY LOCKED KEY LOCKS AND UNLOCKS LEAF VIDEO SECURITY COMMUNICATION SYSTEM DOOR STATION ANNOUNCES VISITOR TO MASTER STATION MASTER STATION TEMPORARILY UNLOCKS DOOR ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	PROVIDE TX ACTIVE LEAF AT EACH OPENING
ED-04	EXTERIOR	ENTRANCE VESTIBULE	MULTIPLE SWINGING	ALUMINUM STOREFRONT WITH REMOVABLE CENTER MULLIONS	ALUMINUM ENTRANCE FULLY GLAZED	EXTERIOR GLASS	GASKETING THRESHOLD ALL LEAF CONTINUOUS HINGE DOOR SWEEP EXTERIOR DECORATIVE PULL INTERIOR EXIT DEVICE FUNCTION 04 WITH ELECTRONIC LATCH RETRACTION CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT	ALL LEAFS ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY LOCKED KEY LOCKS AND UNLOCKS LEAF ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	PROVIDE TX ACTIVE LEAF AT EACH OPENING
ED-05	OUTDOOR GROWING AREA (ROOFTOP)	CORRIDOR	MULTIPLE SWINGING	ALUMINUM WITH REMOVABLE CENTER MULLIONS	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN G	EXTERIOR GLASS	RAIN DRIP GASKETING THRESHOLD ALL LEAFS CONTINUOUS HINGE ELECTROMAGNETIC LOCK DOOR SWEEP EXTERIOR EXIT DEVICE FUNCTION 14 INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER INTERIOR ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT INTERIOR EXIT ALARM	ALL LEAFS ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR INTRUSION DETECTION SOFTWARE REMOTELY ARMS AND DISARMS EXIT ALARM EXTERIOR NORMALLY UNLOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY DISABLES EXIT ALARM WHEN REMOTELY LOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR AND DISABLES EXIT ALARM FIRE ALARM SYSTEM REMOTELY UNLOCKS DOOR AND DISABLES EXIT ALARM INTERIOR NORMALLY UNLOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY DISABLES EXIT ALARM WHEN REMOTELY LOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR AND DISABLES EXIT ALARM	PROVIDE AIR CURTAIN
ED-06	EXTERIOR	STAIR	MULTIPLE SWINGING	ALUMINUM WITH REMOVABLE CENTER MULLIONS	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP GASKETING THRESHOLD ACTIVE LEAF EXIT DEVICE FUNCTION 09 WITH ELECTRONIC LATCH RETRACTION INACTIVE LEAF(S) EXIT DEVICE FUNCTION 01 ALL LEAFS CONTINUOUS HINGE DOOR SWEEP INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER INTERIOR ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT INTERIOR EXIT ALARM	INTRUSION DETECTION SOFTWARE REMOTELY ARMS AND DISARMS EXIT ALARM ACTIVE LEAF ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS LEAF ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS LEAF AND DISABLES EXIT ALARM INACTIVE LEAF(S) EXTERIOR ALWAYS LOCKED ALL LEAFS INTERIOR ALWAYS UNLOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY DISABLES EXIT ALARM	PROVIDE TX ACTIVE LEAF AT EACH OPENING
<b>EXTERIOR UTILITY DOORS</b>											
ED-07	EXTERIOR	CAFETERIA	MULTIPLE SWINGING	ALUMINUM WITH FIXED CENTER MULLIONS	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP GASKETING THRESHOLD ACTIVE LEAF INTERIOR CYLINDER PULL INTERIOR EXIT DEVICE FUNCTION 03 INACTIVE LEAF(S) INTERIOR EXIT DEVICE FUNCTION 01 ALL LEAFS BUTT HINGES DOOR SWEEP INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	NONE	ALL LEAF DOOR CONTACT	ACTIVE LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS LEAF INACTIVE LEAF(S) EXTERIOR ALWAYS LOCKED ALL LEAFS INTERIOR ALWAYS UNLOCKED	
ED-08	OUTDOOR GROWING AREA (ROOFTOP)	STAIR	MULTIPLE SWINGING	ALUMINUM WITH FIXED CENTER MULLIONS	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP GASKETING THRESHOLD ALL LEAFS BUTT HINGES ELECTROMAGNETIC LOCK DOOR SWEEP EXTERIOR EXIT DEVICE FUNCTION 01 INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT	ALL LEAFS ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY UNLOCKED WHEN REMOTELY LOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR FIRE ALARM SYSTEM REMOTELY UNLOCKS DOOR INTERIOR ALWAYS LOCKED	

ED-09	EXTERIOR	STAIR	MULTIPLE SWINGING	ALUMINUM WITH FIXED CENTER MULLIONS	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP GASKETING THRESHOLD ACTIVE LEAF INTERIOR CYLINDER PULL INTERIOR EXIT DEVICE FUNCTION 03 INACTIVE LEAF(S) INTERIOR EXIT DEVICE FUNCTION 01 ALL LEAFS BUTT HINGES DOOR SWEEP INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	ALL LEAF DOOR CONTACT INTERIOR EXIT ALARM	INTRUSION DETECTION SOFTWARE REMOTELY ARMS AND DISARMS EXIT ALARM ACTIVE LEAF ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS LEAF INACTIVE LEAF(S) INTERIOR ALWAYS LOCKED ALL LEAFS INTERIOR ALWAYS UNLOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY DISABLES EXIT ALARM	PROVIDE TX ACTIVE LEAF AT EACH OPENING
ED-10	ROOF	CORRIDOR	SINGLE SWINGING	ALUMINUM	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP BUTT HINGES MORTISE LOCKSET FUNCTION F30 GASKETING DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	NONE	DOOR CONTACTS	NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR	
ED-11	ROOF	HYDRONIC PUMP ROOM	PAIR SWINGING	ALUMINUM NO CENTER MULLION	FIBERGLASS REINFORCED PLASTIC ELEVATION SIMILAR TO SD DESIGN F	NONE	RAIN DRIP GASKETING THRESHOLD ACTIVE LEAF INTERIOR EXIT DEVICE FUNCTION 04 WITH ELECTRONIC LATCH GUARD INACTIVE LEAF(S) FLUSH BOLTS INTERIOR ASTRAGAL ALL LEAFS BUTT HINGES DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	NONE	ALL LEAF DOOR CONTACTS	ACTIVE LEAF NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INACTIVE LEAF NORMALLY FIXED	
ED-12	EXTERIOR	EXTERIOR MAINTENANCE STORAGE	SINGLE SWINGING	ALUMINUM	FIBERGLASS REINFORCED PLASTIC ELEVATION F	NONE	RAIN DRIP BUTT HINGES MORTISE LOCKSET FUNCTION F30 GASKETING DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	NONE	DOOR CONTACTS	NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
ED-13	OUTDOOR GROWING AREA (ROOFTOP)	EXTERIOR MATERIALS STORAGE	PAIR SWINGING	ALUMINUM NO CENTER MULLION	FIBERGLASS REINFORCED PLASTIC ELEVATION F	NONE	RAIN DRIP GASKETING THRESHOLD ACTIVE LEAF INTERIOR MORTISE LOCKSET FUNCTION F07 EXTERIOR LATCH GUARD INACTIVE LEAF INTERIOR ASTRAGAL ALL LEAFS BUTT HINGES DOOR SWEEP THRESHOLD INTERIOR CLOSER OVERHEAD STOP WITH HOLDER PUSH SIDE KICK PLATE	NONE	ALL LEAF DOOR CONTACTS	ACTIVE LEAF EXTERIOR ALWAYS LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED INACTIVE LEAF NORMALLY FIXED	
<b>EXTERIOR OVERSIZE DOORS</b>											
ED-14	EXTERIOR	RECEIVING	SINGLE OVERHEAD COILING INSULATED	STEEL ANGLE	STEEL SLAT	NONE	ELECTRIC OPERATOR EXTERIOR KEY SWITCH INTERIOR FORBIDITION SWITCH	NONE	DOOR CONTACT	EXTERIOR KEY SWITCH OPERATES DOOR INTERIOR PUSHBUTTON OPERATES DOOR	PROVIDE AIR CURTAIN PADLOCK BY DISTRICT
ED-15	EXTERIOR	EXTERIOR MAINTENANCE STORAGE	SINGLE OVERHEAD COILING	STEEL ANGLE	STEEL SLAT	NONE	ELECTRIC OPERATOR EXTERIOR KEY SWITCH INTERIOR FORBIDITION SWITCH	NONE	DOOR CONTACT	EXTERIOR KEY SWITCH OPERATES DOOR INTERIOR PUSHBUTTON OPERATES DOOR	PADLOCK BY DISTRICT

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STATE OF NEW JERSEY  
SCHOOLS DEVELOPMENT AUTHORITY  
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625



PROJECT TITLE

NEW GRADE 7-9 SCHOOL  
FOR  
UNION CITY SCHOOL DISTRICT  
UNION CITY, NEW JERSEY

SCALE	AS NOTED
DRAWN BY	NS
CHECKED BY	JTR
APPROVED BY	
DATE	01/07/22

REVISIONS		
SYMBOL	DATE	DESCRIPTION

DRAWING TITLE

DOOR AND GATE  
SCHEDULES

D.O.E. PROJECT # 5240-N10-16-1000  
S.D.A. PROJECT # 5240-N10-16-0AEN

DRAWING #

A-601

MARK	LOCATION		INTERIOR DOORS				SUPPLEMENTARY COMPONENTS				OPERATION	COMMENTS
	EXTERIOR	INTERIOR	CONFIGURATION	FRAME	DOOR	GLAZING	HARDWARE	ACCESS CONTROL	INTRUSION DETECTION			
<b>ID-01</b>	RECEIVING	SURVEY	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL ZINC COATED MODEL 1 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-02</b>	RECEIVING	KITCHEN	PAIR SWINGING	HOLLOW METAL ZINC COATED NO CENTER MULLION	HOLLOW METAL ZINC COATED ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 EXTERIOR LATCH GUARD INACTIVE LEAF LEVER EXTENSION FLUSH BOLTS INTERIOR ASTRAGAL ALL LEAFS BUTT HINGES INTERIOR DOOR STOP INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	ACTIVE LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED INACTIVE LEAF NORMALLY FIXED	PROVIDE 1X ACTIVE LEAF AT EACH OPENING	
<b>ID-03</b>	KITCHEN	FOOD SERVICE OFFICE	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 2 ELEVATION G	SECURITY GLAZING	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED KEY LOCKS AND UNLOCKS DOOR THUMB TURN LOCKS AND UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-04</b>	CORRIDOR	CUSTODIAL OFFICE / BACKUP EMERGENCY CONTROL CENTER	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 2 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 WITH ELECTRONIC LOCKING AND UNLOCKING INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	DOOR CONTACT	NONE	ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-05</b>	CORRIDOR	CUSTODIAL WORKROOM / LOCKERS	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 1 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED KEY LOCKS AND UNLOCKS DOOR THUMB TURN LOCKS AND UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-06</b>	CAFETERIA CORRIDOR	RECEIVING GENERAL BUILDING STORAGE GENERAL SUPPLY STORAGE	PAIR SWINGING	HOLLOW METAL NO CENTER MULLION	HOLLOW METAL MODEL 1 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 EXTERIOR LATCH GUARD INACTIVE LEAF LEVER EXTENSION FLUSH BOLTS INTERIOR ASTRAGAL ALL LEAFS BUTT HINGES INTERIOR DOOR STOP INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	ACTIVE LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED INACTIVE LEAF NORMALLY FIXED	PROVIDE 1X ACTIVE LEAF AT EACH OPENING
<b>ID-07</b>	CORRIDOR	CORRIDOR (BUILDING SUPPORT SERVICES SUITE)	PAIR SWINGING	HOLLOW METAL NO CENTER MULLION	HOLLOW METAL MODEL 2 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 EXTERIOR LATCH GUARD INACTIVE LEAF LEVER EXTENSION FLUSH BOLTS INTERIOR ASTRAGAL ALL LEAFS BUTT HINGES INTERIOR DOOR STOP INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	ACTIVE LEAF EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED INACTIVE LEAF NORMALLY FIXED	
<b>ID-08</b> <b>ID-09</b>	FOOD SERVICE LOCKERS CUSTODIAL WORKROOM / LOCKERS TOILET	FOOD SERVICE TOILET CUSTODIAL WORKROOM / LOCKERS TOILET	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 2 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED EMERGENCY KEY LOCKS AND UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-10</b>	CORRIDOR	CUSTODIAL CLOSET	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 1 ZINC COATED ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-11</b>	KITCHEN	FOOD SERVICE STORAGE	SINGLE SWINGING	HOLLOW METAL ZINC COATED	HOLLOW METAL MODEL 2 ELEVATION F	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-12</b>	STAIR	RECEIVING CORRIDOR	MULTIPLE SWINGING	HOLLOW METAL WITHFIXED CENTER MULLION	HOLLOW METAL ELEVATION F	NONE	ALL LEAFS BUTT HINGES ELECTRIFIED EXIT DEVICE FUNCTION H4 WITH LATCH MONITORING INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	EXTERIOR ACCESS CONTROL CREDENTIAL READER	NONE	NONE	ALL LEAFS ACCESS CONTROL SOFTWARE REMOTELY LOCKS AND UNLOCKS DOOR WHEN REMOTELY LOCKED ACCESS CONTROL CREDENTIAL READER TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-13</b>	CORRIDOR STAGE MEDIA CENTER READING ROOM / STACKS	CENTRALIZED PRINTING ROOM INSTRUMENTAL MEDIA OFFICE LESSON ROOM MEDIA CENTER CONFERENCE ROOM	SINGLE SWINGING	HOLLOW METAL	FLUSH WOOD	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-14</b>	CAFETERIA CORRIDOR	GENERAL CLASSROOM SELF-CONFINED SPECIAL EDUCATION CLASSROOM SMALL GROUP INSTRUCTION ROOMS ENVIRONMENTAL SCIENCE LAB STAGE INSTRUMENTAL MUSIC ROOM OPTI-SENSORY ROOM TECHNOLOGY LAB NURSES OFFICE RECEPTION INTAKE / COTS STORAGE PARENT / COMMUNITY ROOM	SINGLE SWINGING	HOLLOW METAL	FLUSH WOOD ELEVATION M333	100SQIN SECURITY GLAZING INTERIOR SHADE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY LOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-15</b>	CORRIDOR	SCIENCE LAB ART ROOM HYDROPONICS LAB STEM PROTOTYPES LAB STAGE INSTRUMENTAL MUSIC ROOM DANCE STUDIO VOCAL MUSIC ROOM	SINGLE SWINGING	HOLLOW METAL	FLUSH WOOD ELEVATION M333	100SQIN SECURITY GLAZING INTERIOR SHADE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-16</b>	CORRIDOR	MEDIA CENTER	MULTIPLE SWINGING	HOLLOW METAL CENTER MULLION	FLUSH WOOD ELEVATION M333	100SQIN SECURITY GLAZING INTERIOR SHADE	SILENCERS ALL LEAFS BUTT HINGES EXIT DEVICE FUNCTION O9 INTERIOR DOOR STOP INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	ALL LEAFS EXTERIOR NORMALLY UNLOCKED KEY TEMPORARILY UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	PROVIDE 1X ACTIVE LEAF AT EACH OPENING
<b>ID-17</b>	SCIENCE LAB NURSES OFFICE RECEPTION INTAKE / COTS STORAGE CORRIDOR	SCIENCE LAB PREP ROOM NURSES OFFICE ISOLATION ROOM TOILET NURSES OFFICE EXAM ROOM / STORAGE PRINCIPAL OFFICE VICE PRINCIPAL OFFICE MAIN OFFICE CONFERENCE ROOM CHILD STUDY TEAM / SOCIAL WORKER OFFICE GUIDANCE OFFICE ATTENDANCE COUNSELOR OFFICE STUDENT SERVICES CONFERENCE ROOM REMOTE PRINCIPAL OFFICE EMERGENCY SUPPORT OFFICE ACADEMIC SUPERVISOR OFFICE TECHNOLOGY COACH OFFICE	SINGLE SWINGING	HOLLOW METAL	FLUSH WOOD	NONE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED KEY LOCKS AND UNLOCKS DOOR THUMB TURN LOCKS AND UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	
<b>ID-18</b>	MAN OFFICE RECEPTION / WAITING	GRANT / STUDENTS OFFICE / CONFERENCE ROOM	SINGLE SWINGING	HOLLOW METAL	FLUSH WOOD ELEVATION M333	100SQIN SECURITY GLAZING INTERIOR SHADE	BUTT HINGES MORITSE LOCKSET FUNCTION F07 INTERIOR DOOR STOP SILENCERS INTERIOR CLOSER WITH HOLDER ARM MOP PLATE ARMOR PLATE	NONE	NONE	NONE	EXTERIOR NORMALLY UNLOCKED KEY LOCKS AND UNLOCKS DOOR THUMB TURN LOCKS AND UNLOCKS DOOR INTERIOR ALWAYS UNLOCKED	

**STATE OF NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY**  
 32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625



**NEW GRADE 7-9 SCHOOL FOR UNION CITY SCHOOL DISTRICT**  
 UNION CITY, NEW JERSEY

PROJECT TITLE: \_\_\_\_\_

SCALE: AS NOTED

DRAWN BY: NS

CHECKED BY: JTR

APPROVED BY: \_\_\_\_\_

DATE: 01/07/22

REVISIONS

SYMBOL	DATE	DESCRIPTION
	03/09/22	ADDendum #2

DRAWING TITLE: **DOOR AND GATE SCHEDULES**

D.O.E. PROJECT # 5240-N10-16-1000

S.D.A. PROJECT # 5240-N10-16-0AEN

DRAWING # \_\_\_\_\_

(CONTINUED TO DRAWING A-603)



Addendum No. 2 Att: 2.28 Figure PS1030.00-01 Exterior A-Weighted Noise Levels

